

FLYING HORSE NORTH FILING NO. 4 GRADING AND EROSION CONTROL PLANS

A TRACT OF LAND BEING A PORTION OF SECTION 30, TOWNSHIP 11 SOUTH,
RANGE 65 WEST OF THE 6TH P.M., AND A PORTION OF SECTION 31, TOWNSHIP 11
SOUTH, RANGE 65 WEST OF THE 6TH P.M.,
CITY OF COLORADO SPRINGS, COUNTY OF EL PASO, STATE OF COLORADO

LEGAL DESCRIPTION:

TWO (2) PARCELS OF LAND BEING A PORTION OF NORTHEAST QUARTER OF SECTION 36, TOWNSHIP 11 SOUTH, RANGE 66 WEST, A PORTION OF SOUTH HALF OF SECTION 30, AND A PORTION OF NORTH HALF OF SECTION 31, TOWNSHIP 11 SOUTH, RANGE 65 WEST THE SIXTH PRINCIPAL MERIDIAN, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BASIS OF BEARINGS: THE NORTH LINE OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 36, TOWNSHIP 11 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN, BEING MONUMENTED AT THE WEST END BY A 1" YELLOW PLASTIC CAP STAMPED "18235" AND THE EAST END BY A 2" ALUMINUM CAP STAMPED "32439" WITH APPROPRIATE MARKINGS, IS ASSUMED TO BEAR N89°03'58"E A DISTANCE OF 1,332.09 FEET.

PARCEL 1:

COMMENCING AT THE NORTHWEST CORNER OF SECTION 31, TOWNSHIP 11 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, SAID POINT BEING THE POINT OF BEGINNING; THENCE N89°06'20"E ON THE NORTH OF LINE OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 31 A DISTANCE OF 1,474.13 FEET TO THE WEST SIXTEENTH CORNER OF SAID SECTION 31; THENCE N00°08'36"E ON THE WEST LINE OF THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 30, TOWNSHIP 11 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, A DISTANCE OF 1325.48 FEET TO THE SOUTHWEST SIXTEENTH CORNER OF SAID SECTION 30; THENCE N89°03'20"E ON THE NORTH LINE OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 30, A DISTANCE OF 920.27 FEET; THENCE N00°08'15"E A DISTANCE OF 128.29 FEET; THENCE S55°57'42"E A DISTANCE OF 423.40 FEET; THENCE S13°57'08"E A DISTANCE OF 628.43 FEET TO A POINT ON THE NORTHERLY RIGHT-OF-WAY LINE OF OLD STAGECOACH ROAD AS PLATTED IN FLYING HORSE NORTH FILING NO.1, RECORDED UNDER RECEPTION NUMBER 218714238; THENCE ON SAID NORTHERLY RIGHT-OF-WAY LINE THE FOLLOWING SIX (6) COURSES:

1. S52°41'25"W A DISTANCE OF 1,517.83 FEET TO A POINT OF CURVE;
2. ON THE ARC OF A CURVE TO THE RIGHT HAVING A DELTA OF 52°50'29", A RADIUS OF 760.00 FEET A DISTANCE OF 700.92 FEET TO A POINT OF TANGENT;
3. N74°28'06"W A DISTANCE OF 169.05 FEET TO A POINT OF CURVE;
4. ON THE ARC OF A CURVE TO THE LEFT, HAVING A DELTA OF 32°53'45", A RADIUS OF 1,640.00 FEET, A DISTANCE OF 941.59 FEET TO A POINT OF TANGENT;
5. S72°38'09"W A DISTANCE OF 400.46 FEET TO A POINT OF CURVE;
6. ON THE ARC OF A CURVE TO THE RIGHT, HAVING A DELTA OF 00°45'53", A RADIUS OF 3,460.00 FEET A DISTANCE OF 46.18 FEET TO A POINT ON CURVE, SAID POINT BEING THE SOUTHEAST CORNER OF LOT 28 OF SAID FLYING HORSE NORTH FILING NO. 1;

THENCE N00°13'46"W ON THE EAST LINE OF SAID LOT 28, A DISTANCE OF 497.29 FEET TO A POINT ON THE NORTH LINE OF THE NORTHEAST QUARTER OF SECTION 36, TOWNSHIP 11 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN; THENCE N89°03'58"E ON SAID NORTH LINE A DISTANCE OF 491.20 FEET TO THE POINT OF BEGINNING.

CONTAINING A CALCULATED AREA OF 2,475,776 SQUARE FEET OR 56.836 ACRES, MORE OR LESS.

PARCEL 2:

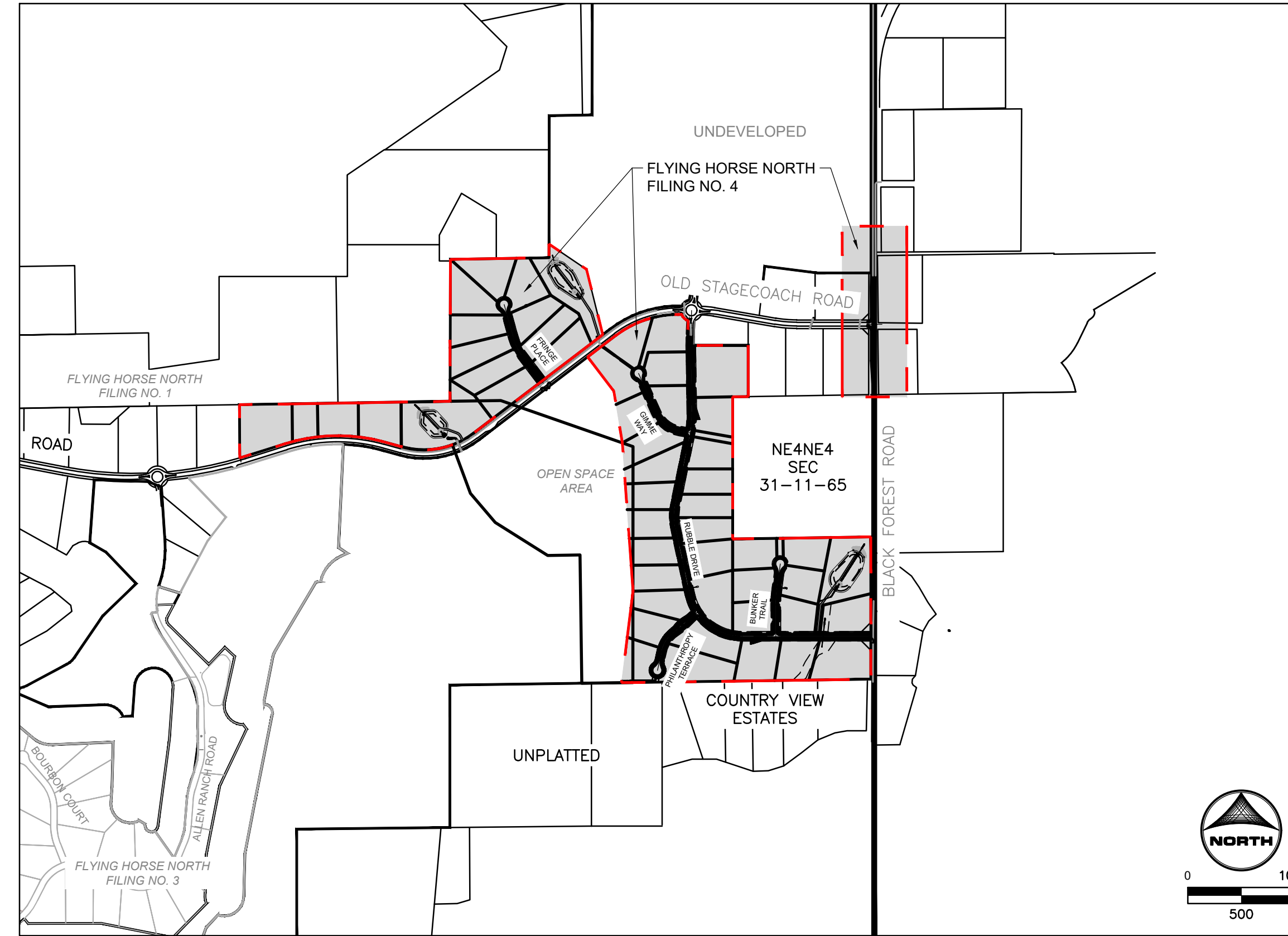
COMMENCING AT THE SOUTHEAST CORNER OF LOT 80, FLYING HORSE NORTH FILING NO. 1, RECORDED UNDER RECEPTION NUMBER 218714238, SAID POINT BEING ON THE WESTERLY LINE OF LOT 79, FLYING HORSE NORTH FILING NO. 1, SAID POINT BEING THE POINT OF BEGINNING; THENCE S00°00'00"E ON THE WEST LINE OF SAID LOT 79, A DISTANCE OF 477.97 FEET TO A POINT ON THE SOUTH LINE OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 30, TOWNSHIP 11 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN.

THENCE S89°04'37"W, ON THE SOUTH LINE OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SAID SECTION 30, A DISTANCE OF 144.30 FEET TO THE EAST SIXTEENTH CORNER OF SECTION 31; THENCE S00°00'11"E, ON THE EAST LINE OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 31, A DISTANCE OF 1,328.67 FEET TO THE NORTHEAST SIXTEENTH CORNER OF SAID SECTION 31; THENCE N89°08'21"E, ON THE NORTH LINE OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 31, A DISTANCE OF 1,289.57 FEET TO A POINT ON THE WESTERLY RIGHT OF WAY LINE OF BLACK FOREST ROAD, SAID POINT BEING 30.00 FEET WEST OF AND PARALLEL TO THE EAST LINE OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 31; THENCE S00°00'54"W, ON THE WESTERLY RIGHT OF WAY LINE OF SAID BLACK FOREST ROAD BEING ALSO 30.00 FEET WEST OF AND PARALLEL TO THE EAST LINE OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 31, A DISTANCE OF 1,328.09 FEET TO A POINT ON THE SOUTH LINE OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 31; THENCE S89°11'15"W, ON THE SOUTH LINE OF THE NORTHEAST QUARTER OF SAID SECTION 31, A DISTANCE OF 2,327.40 FEET; THENCE N07°08'46"E A DISTANCE OF 860.74 FEET; THENCE N04°05'31"W A DISTANCE OF 1,388.17 FEET; THENCE N09°12'22"W A DISTANCE OF 488.58 FEET; THENCE N37°18'35"W A DISTANCE OF 402.75 FEET TO A POINT ON THE SOUTHERLY RIGHT-OF-WAY LINE OF OLD STAGECOACH ROAD AS PLATTED IN FLYING HORSE NORTH FILING NO.1, RECORDED UNDER RECEPTION NUMBER 218714238; THENCE ON THE BOUNDARY OF SAID FLYING HORSE NORTH FILING NO.1 THE FOLLOWING EIGHT (8) COURSES:

1. N52°41'25"E A DISTANCE OF 330.02 FEET TO A POINT OF CURVE;
2. ON THE ARC OF A CURVE TO THE RIGHT HAVING A DELTA OF 38°46'50", A RADIUS OF 960.00 FEET A DISTANCE OF 649.77 FEET TO A POINT OF TANGENT;
3. S88°31'45"E A DISTANCE OF 8.27 FEET TO A POINT ON CURVE;
4. ON THE ARC OF A CURVE TO THE LEFT WHOSE CENTER BEARS N67°53'33"E, HAVING A DELTA OF 48°57'51", A RADIUS OF 100.00 FEET A DISTANCE OF 35.46 FEET TO A POINT ON CURVE;
5. S01°28'15"W A DISTANCE OF 152.16 FEET TO A POINT OF CURVE;
6. ON THE ARC OF A CURVE TO THE LEFT HAVING A DELTA OF 00°53'47", A RADIUS OF 5,030.00 FEET A DISTANCE OF 78.69 FEET TO A POINT ON CURVE;
7. S89°25'32"E A DISTANCE OF 60.00 FEET;
8. N89°59'56"E A DISTANCE OF 505.80 FEET TO THE POINT OF BEGINNING.

CONTAINING A CALCULATED AREA OF 5,181,149 SQUARE FEET OR 119.943 ACRES, MORE OR LESS.

PARCEL 1 AND PARCEL 2 CONTAIN A TOTAL CALCULATED AREA OF 7,656,925 SQUARE FEET OR 175.779 ACRES.



VICINITY MAP
NOT TO SCALE

SHEET INDEX

- 1 - COVER
- 2 - LEGEND & NOTES
- 3 - 6 - INITIAL & INTERIM GEC
- 7 - 10 - FINAL GEC
- 11 - 12 - DETAILS
- 13 - CHANNEL SECTIONS

EL PASO COUNTY
COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL AS AMENDED.

IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTORS DISCRETION.

JOSHUA PALMER P.E. DATE
COUNTY ENGINEER

DESIGN ENGINEER'S STATEMENT

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

RDL 10/31/2024
RICHARD D. LYON, COLORADO P.E. NO. 53921 DATE

OWNER/DEVELOPER'S STATEMENT:

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN AND ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

DREW BALSICK, PRF #2 LLC. 10/31/2024
VICE PRESIDENT DATE

Revise to match GEC Checklist Item "f"

Revise to match GEC Checklist Item "h"



PCD FILE NO.: SF2422

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APPROVED: RDL JOB NUMBER: 211030.240
CAD DATE: 10/31/2024
CAD FILE: J:\2021\211030\CAD\DWG\C\Filing_No_4\GEC\GEC-Cover.dwg

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NO.	DATE	BY	REVISION DESCRIPTION

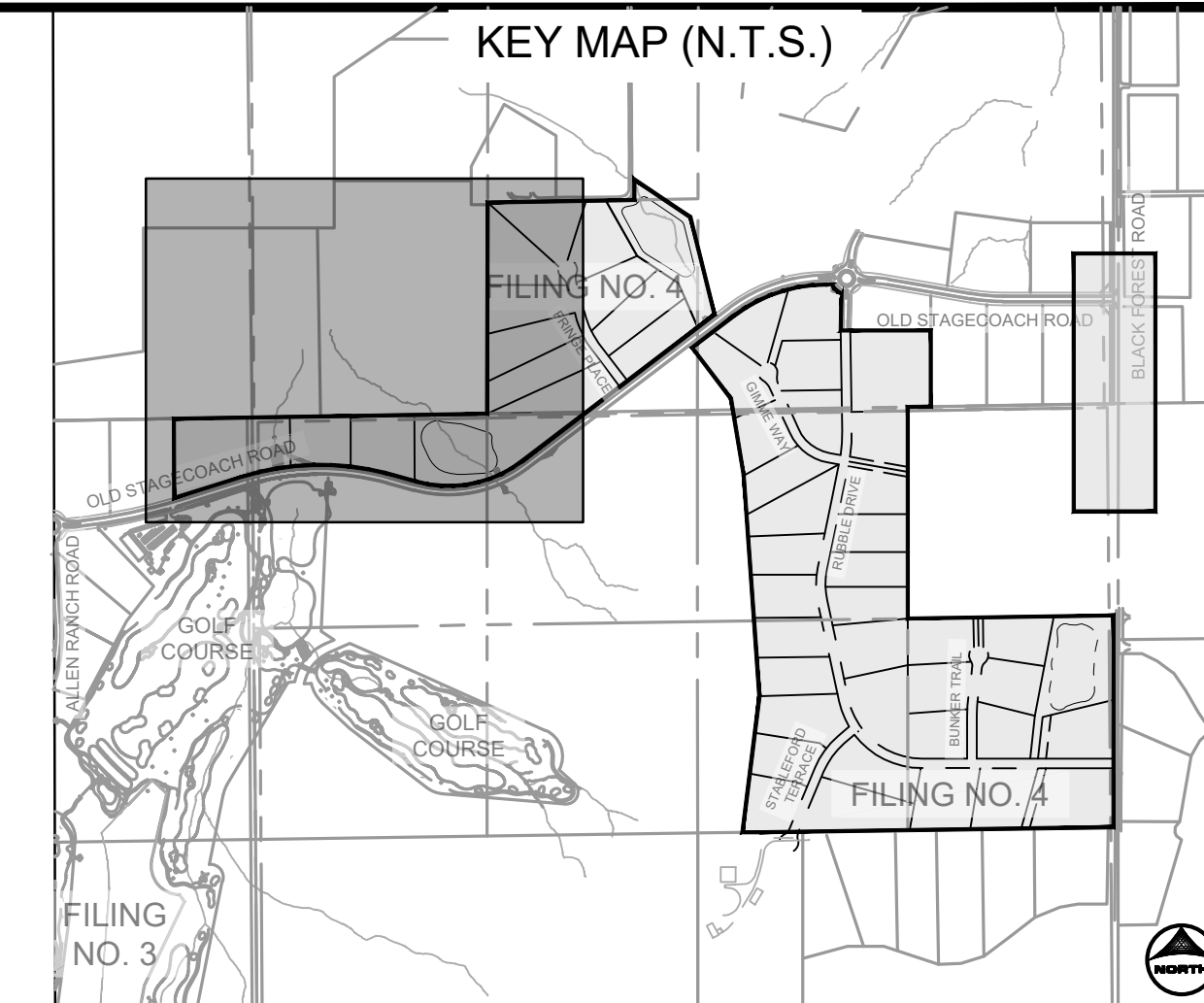
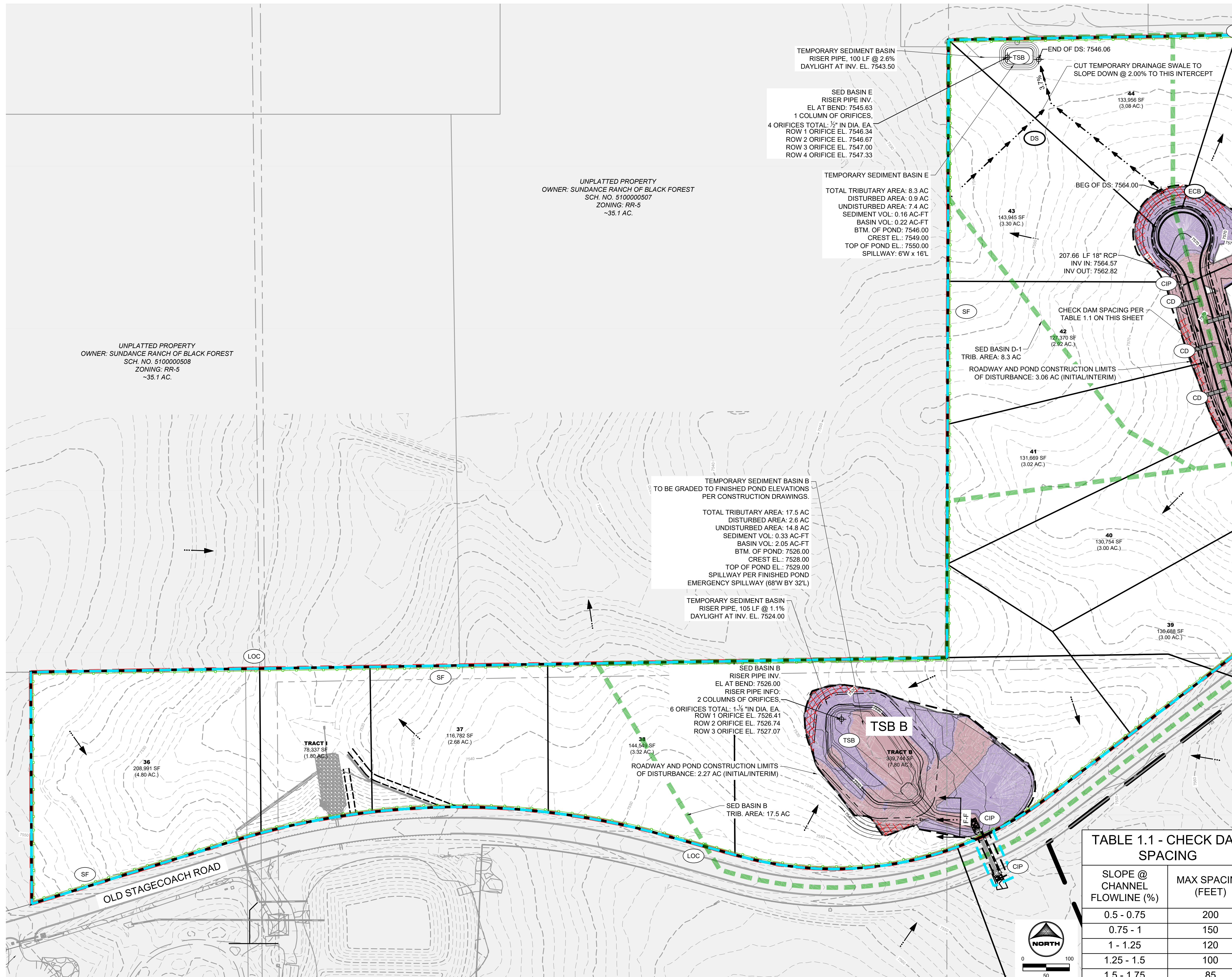
HRGreen
HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

GRADING & EROSION CONTROL PLAN
COVER

SHEET
CV
1

HR GREEN Xrefs: Vicinity-Map; EPC_CD_Approval; EPC_CD_Eng_Approval; EPC_CD_Owner_Approval; Legend; Abbreviations; xc-dsgn-030.202; xc-row-030.240; xc-dsgn-240; xc-row-030.240; xg1-1-01-1030.240; EPC_GEC_Notes



- GEC LEGEND:**
- SF SILT FENCE
 - SSA STABILIZED STAGING AREA
 - SP STOCKPILE MANAGEMENT
 - IP INLET PROTECTION: IP-1 TO BE USED ON ALL INLETS
 - CIP CULVERT INLET PROTECTION
 - VTC VEHICLE TRACKING CONTROL
 - DS DRAINAGE SWALE
 - LOC LIMITS OF CONSTRUCTION
 - LOD LIMITS OF DISTURBANCE
 - CUT CONDITION
 - FILL CONDITION
 - FLOW DIRECTION
 - ECB EROSION CONTROL BLANKET
 - CD CHECK DAM (STRAW BALE)
 - CWA CONCRETE WASH OUT
 - TSB TEMPORARY SEDIMENT BASIN
 - TSB TRIBUTARY AREA DELINEATION
- PHASE:**
- INITIAL/INTERIM
 - INITIAL/INTERIM
 - INITIAL/INTERIM
 - INTERIM
 - INTERIM
 - INITIAL
 - INTERIM
 - INITIAL/INTERIM/FINAL
 - INITIAL/INTERIM/FINAL
 - CUT CONDITION
 - FILL CONDITION
 - FLOW DIRECTION
 - INTERIM/FINAL
 - INTERIM
 - INITIAL
 - INITIAL

GRADING & EROSION CONTROL PLAN NOTES:

1. SEE SHEETS 11-12 FOR EL PASO COUNTY GRADING AND EROSION CONTROL DETAILS.
2. ALL STORMWATER MANAGEMENT MEASURES SHOWN ON THIS PLAN MUST BE INSTALLED AND MAINTAINED PER THE EL PASO COUNTY STORMWATER CONSTRUCTION MANUAL; LATEST REVISIONS.
3. AREA WITHIN LIMITS OF DISTURBANCE TO BE CLEARED, GRUBBED AND STOCKPILED PRIOR TO IMPORT OF ANY FILL.
4. ALL GREATER THAN 4:1 SLOPES MUST RECEIVE SLOPE TRACKING TREATMENT AND EROSION CONTROL BLANKET.
5. STOCKPILES REQUIRED DURING ONSITE CONSTRUCTION ACTIVITIES WILL BE PLACED AT THE DISCRETION OF THE CONTRACTOR. STOCKPILING OF MATERIAL MUST NOT OCCUR OUTSIDE THE LIMITS OF DISTURBANCE SHOWN ON THIS PLAN.
6. NON-STRUCTURAL CONTROLS (I.E. STREET SWEEPING) WILL BE AT THE DISCRETION OF THE PROJECT'S CERTIFIED GEC ADMINISTRATOR THROUGHOUT THE DURATION OF LAND DISTURBING ACTIVITIES.
7. THERE ARE NO ANTICIPATED ASPHALT AND/OR CONCRETE BATCH PLANTS, OR MASONRY MIX STATIONS ASSOCIATED WITH THIS PROJECT. IF THE CONTRACTOR REQUIRES AN ASPHALT/CONCRETE BATCH PLANTS OR MASONRY MIX STATIONS, THESE PLANS WILL BE AMENDED AS REQUIRED.
8. THERE ARE NO EXISTING PRESERVATION EASEMENTS LOCATED ON SITE.
9. ONSITE EXISTING VEGETATION IS NATIVE GRASSES AND WEEDS. THERE IS NO NOTABLE VEGETATION OTHERWISE.
10. THE NATURAL TERTIARY SWALE THROUGH LOTS 16 AND 17 IS PLATTED AS A PUBLIC DRAINAGE EASEMENT WITH A VARIED WIDTH. THE EASEMENT IS TO HAVE TMAX TRM INSTALLED WITH PERMANENT SEEDING. ALL OTHER NATURAL TERTIARY SWALES DO NOT REQUIRE TRM AND ARE NOT TO BE DISTURBED. AREAS REQUIRING ROLLMAX TRM (TMAX OR P300) ARE CALLED OUT ON THE PLANS AND ARE AREAS NEAR POND CONCRETE RUNDOWNS OR ROADSIDE SWALES. SEE THE PERMANENT CHANNEL LINING PROVIDED ON SHEET 2.
11. ALL ROADSIDE DITCHES ARE TO HAVE PERMANENT TRM (ROLLMAX P300 OR EQUIV.) INSTALLED.
12. ALL CULVERTS ARE TO HAVE RIP-RAP INSTALLED AT OUTLET POINTS AS SEEN IN STORM CONSTRUCTION DRAWINGS.

PROJECT INFO:
BASE SURFACE: EXISTING-FULL VOLUME. COMPARISON SURFACE: FILING-4-FG

CUT FACTOR: 1.00
FILL FACTOR: 1.15
CUT VOLUME(ADJUSTED): 82678.57 CUBIC YARDS
FILL VOLUME(ADJUSTED): 87623.31 CUBIC YARDS
NET VOLUME(ADJUSTED): 4944.74(FILL) CUBIC YARDS

CUT FACTOR: 1.00
FILL FACTOR: 1.00
CUT VOLUME(UNADJUSTED): 82678.57 CUBIC YARDS
FILL VOLUME(UNADJUSTED): 76194.18 CUBIC YARDS
NET VOLUME(UNADJUSTED): 6484.39(FILL) CUBIC YARDS

LOC - LIMITS OF CONSTRUCTION (ENTIRE FILING PERIMETER CONTROL) = 185.80 AC
LOD - LIMITS OF DISTURBANCE (ROADWAYS, UTILITIES, GRADING) = 33.71 AC

TABLE 1.1 - CHECK DAM SPACING

SLOPE @ CHANNEL FLOWLINE (%)	MAX SPACING (FEET)
0.5 - 0.75	200
0.75 - 1	150
1 - 1.25	120
1.25 - 1.5	100
1.5 - 1.75	85
1.75 - 2	75

UNPLATTED PROPERTY
OWNER: SUNDANCE RANCH OF BLACK FOREST
SCH. NO. 5100000508
ZONING: RR-5
~35.1 AC.

UNPLATTED PROPERTY
OWNER: SUNDANCE RANCH OF BLACK FOREST
SCH. NO. 5100000507
ZONING: RR-5
~35.1 AC.

TEMPORARY SEDIMENT BASIN
RISER PIPE, 100 LF @ 2.6%
DAYLIGHT AT INV. EL. 7543.50

SED BASIN E
RISER PIPE INV.
EL AT BEND: 7545.63
1 COLUMN OF ORIFICES,
4 ORIFICES TOTAL: 1/2" IN DIA. EA.
ROW 1 ORIFICE EL. 7546.34
ROW 2 ORIFICE EL. 7546.67
ROW 3 ORIFICE EL. 7547.00
ROW 4 ORIFICE EL. 7547.33

TEMPORARY SEDIMENT BASIN E
TOTAL TRIBUTARY AREA: 8.3 AC
DISTURBED AREA: 0.9 AC
UNDISTURBED AREA: 7.4 AC
SEDIMENT VOL.: 0.16 AC-FT
BASIN VOL.: 0.22 AC-FT
BTM. OF POND: 7546.00
CREST EL.: 7549.00
TOP OF POND EL.: 7550.00
SPILLWAY: 6'W x 16'L

TEMPORARY SEDIMENT BASIN B
TO BE GRADED TO FINISHED POND ELEVATIONS PER CONSTRUCTION DRAWINGS.

TOTAL TRIBUTARY AREA: 17.5 AC
DISTURBED AREA: 2.6 AC
UNDISTURBED AREA: 14.8 AC
SEDIMENT VOL.: 0.33 AC-FT
BASIN VOL.: 2.05 AC-FT
BTM. OF POND: 7526.00
CREST EL.: 7528.00
TOP OF POND EL.: 7529.00
SPILLWAY PER FINISHED POND EMERGENCY SPILLWAY (68'W BY 32'L)

TEMPORARY SEDIMENT BASIN
RISER PIPE, 105 LF @ 1.1%
DAYLIGHT AT INV. EL. 7524.00

SED BASIN B
RISER PIPE INV.
EL AT BEND: 7526.00
RISER PIPE INFO:
2 COLUMNS OF ORIFICES,
6 ORIFICES TOTAL: 1-1/2" IN DIA. EA.
ROW 1 ORIFICE EL. 7526.41
ROW 2 ORIFICE EL. 7526.74
ROW 3 ORIFICE EL. 7527.07

SED BASIN B
TRIB. AREA: 17.5 AC

MATCHLINE SEE SHEET 4

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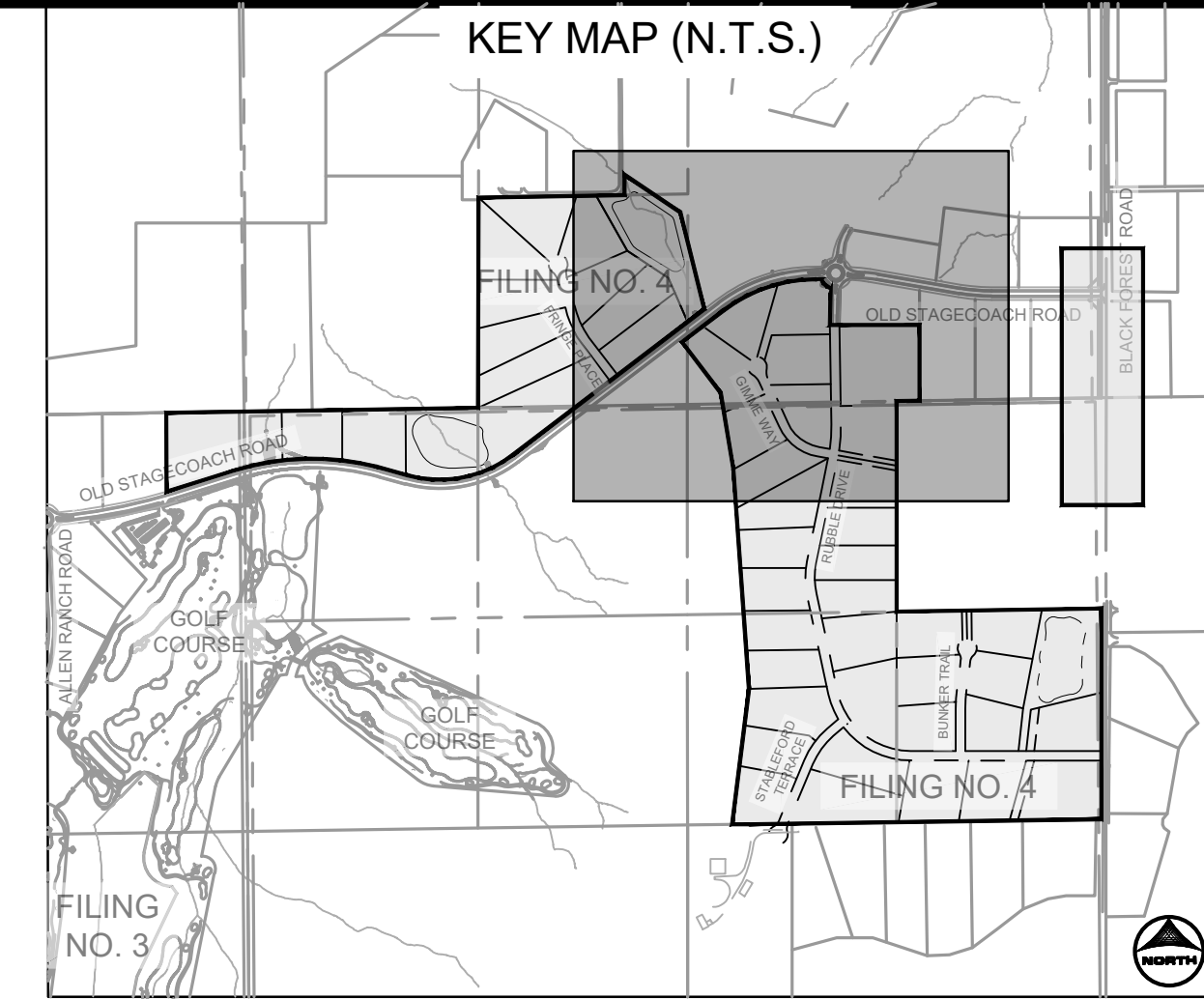
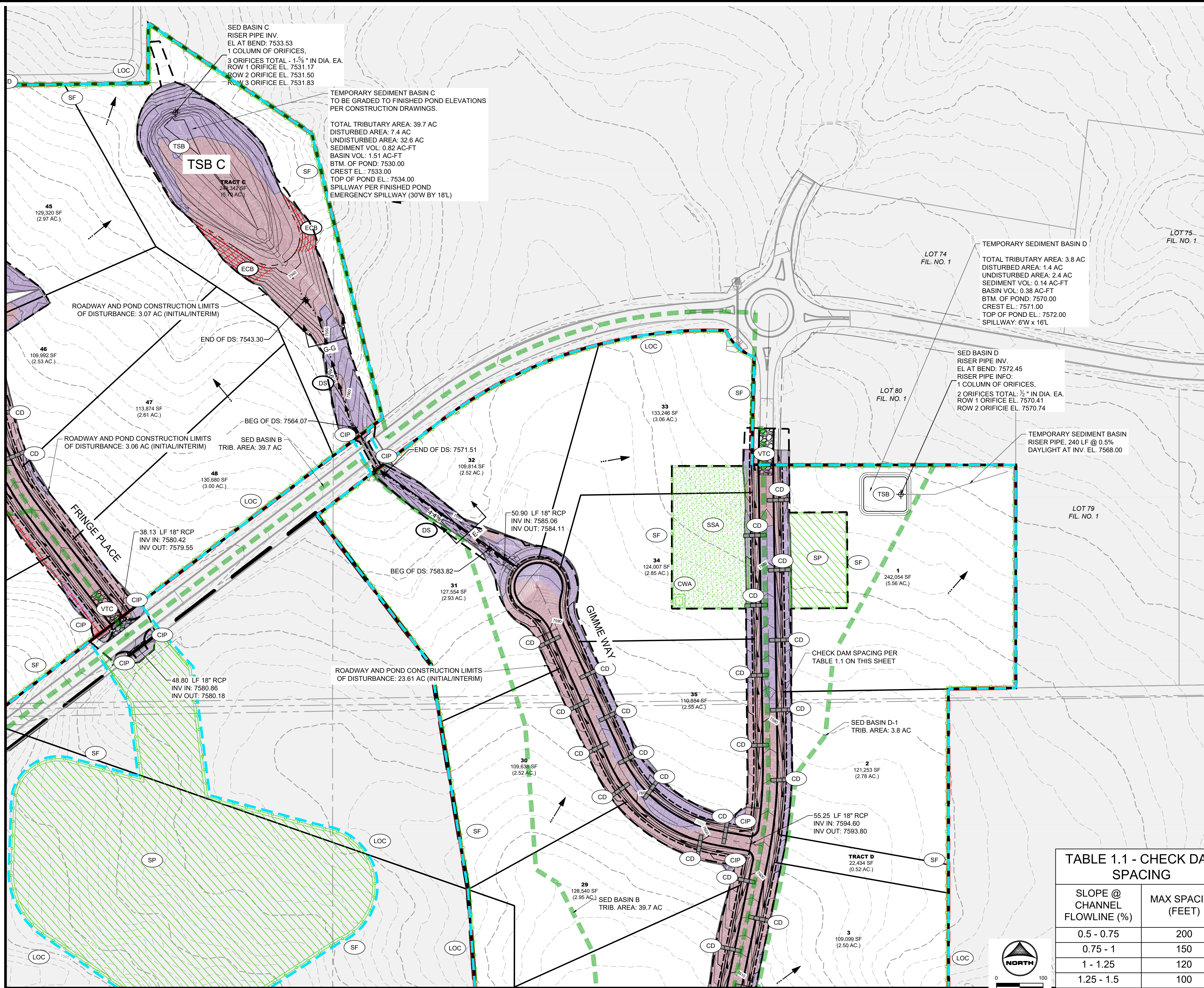
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FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

GRADING & EROSION CONTROL PLAN
INITIAL & INTERIM GEC

SHEET
GEC
3





GEC LEGEND:

SF	SILT FENCE	PHASE:	INITIAL/INTERIM
SSA	STABILIZED STAGING AREA	IP	INLET PROTECTION: IP-1 TO BE USED ON ALL INLETS
SP	STOCKPILE MANAGEMENT	CIP	CULVERT INLET PROTECTION
IP	INLET PROTECTION: IP-1 TO BE USED ON ALL INLETS	VTC	VEHICLE TRACKING CONTROL
CIP	CULVERT INLET PROTECTION	DS	DRAINAGE SWALE
VTC	VEHICLE TRACKING CONTROL	LOC	LIMITS OF CONSTRUCTION
DS	DRAINAGE SWALE	LD	LIMITS OF DISTURBANCE
LOC	LIMITS OF CONSTRUCTION	CC	CUT CONDITION
LD	LIMITS OF DISTURBANCE	FC	FILL CONDITION
CC	CUT CONDITION	FD	FLOW DIRECTION
FC	FILL CONDITION	ECB	EROSION CONTROL BLANKET
FD	FLOW DIRECTION	CD	CHECK DAM (STRAW BALE)
ECB	EROSION CONTROL BLANKET	CWA	CONCRETE WASH OUT
CD	CHECK DAM (STRAW BALE)	TSB	TEMPORARY SEDIMENT BASIN
CWA	CONCRETE WASH OUT	TSB	TSB TRIBUTARY AREA DELINEATION
TSB	TEMPORARY SEDIMENT BASIN		
TSB	TSB TRIBUTARY AREA DELINEATION		

- GRADING & EROSION CONTROL PLAN NOTES:**
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 - ALL GREATER THAN 4:1 SLOPES MUST BE RECEIVE SLOPE TRACKING TREATMENT AND EROSION CONTROL BLANKET.
 - STOCKPILES REQUIRED DURING ONSITE CONSTRUCTION ACTIVITIES WILL BE PLACED AT THE DISCRETION OF THE CONTRACTOR. STOCKPIILING OF MATERIAL MUST NOT OCCUR OUTSIDE THE LIMITS OF DISTURBANCE SHOWN ON THIS PLAN.
 - NON-STRUCTURAL CONTROLS (I.E. STREET SWEEPING) WILL BE AT THE DISCRETION OF THE PROJECT'S CERTIFIED GEC ADMINISTRATOR THROUGHOUT THE DURATION OF LAND DISTURBING ACTIVITIES.
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 - ALL ROADSIDE DITCHES ARE TO HAVE PERMANENT TRM (ROLLMAX P300 OR EQUIV.) INSTALLED.
 - ALL CULVERTS ARE TO HAVE RIP-RAP INSTALLED AT OUTLET POINTS AS SEEN IN STORM CONSTRUCTION DRAWINGS.

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MATCHLINE SEE SHEET 3

MATCHLINE SEE SHEET 6

MATCHLINE SEE SHEET 5

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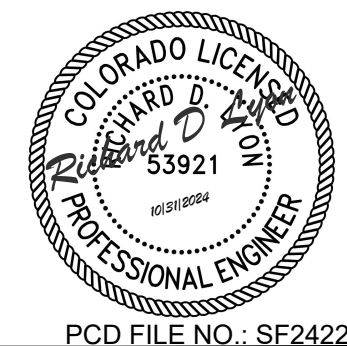
NO.	DATE	BY	REVISION DESCRIPTION

HRGreen
 HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 160
 COLORADO SPRINGS, CO 80920
 PHONE: 719.300.4140 FAX: 719.965.0044

**FLYING HORSE NORTH FILING 4
 PRI #2, LLC.**
 EL PASO COUNTY, CO

**GRADING & EROSION CONTROL PLAN
 INITIAL & INTERIM GEC**

**SHEET
 GEC
 4**



PCD FILE NO.: SF2422

MATCHLINE SEE SHEET 4

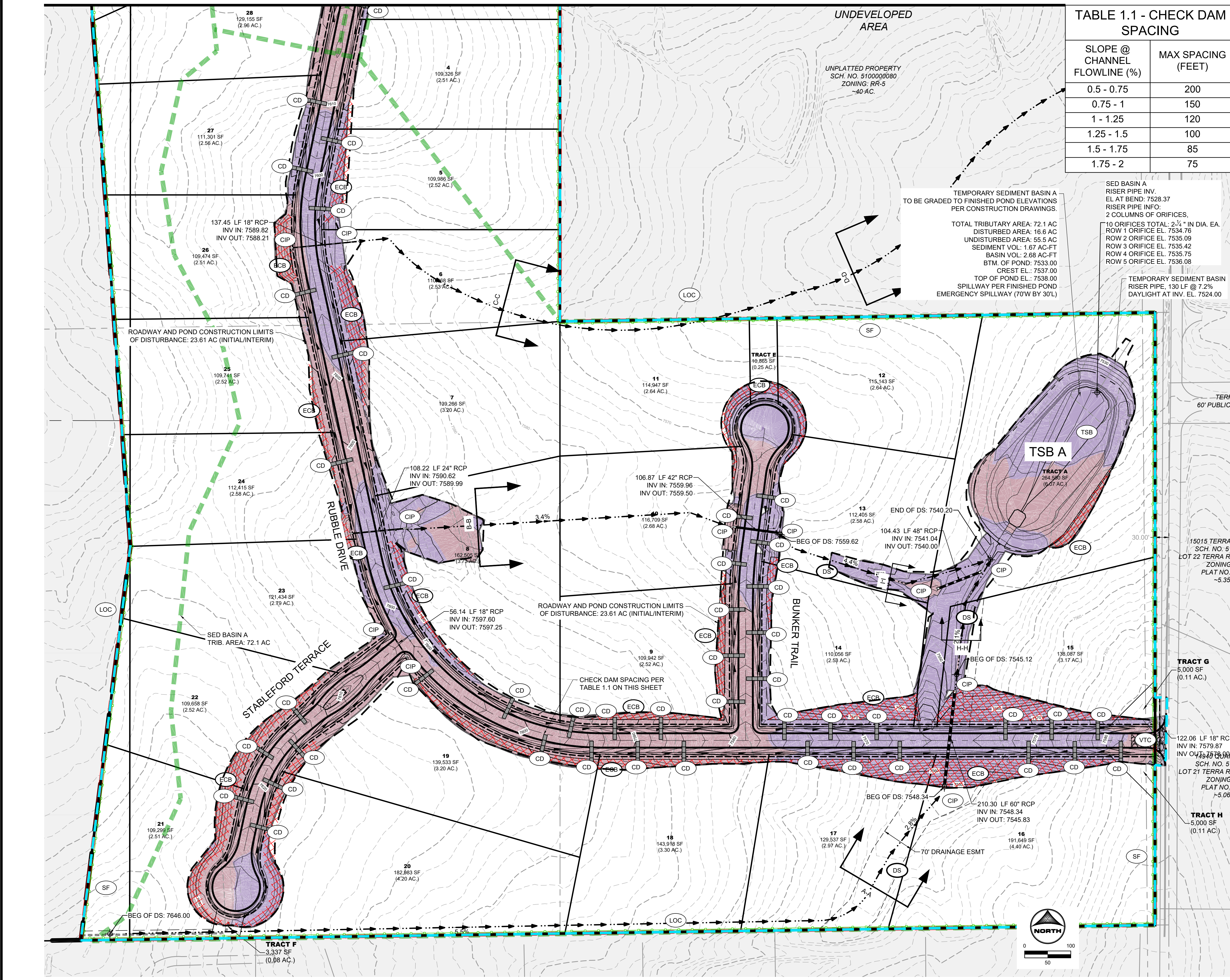


TABLE 1.1 - CHECK DAM SPACING

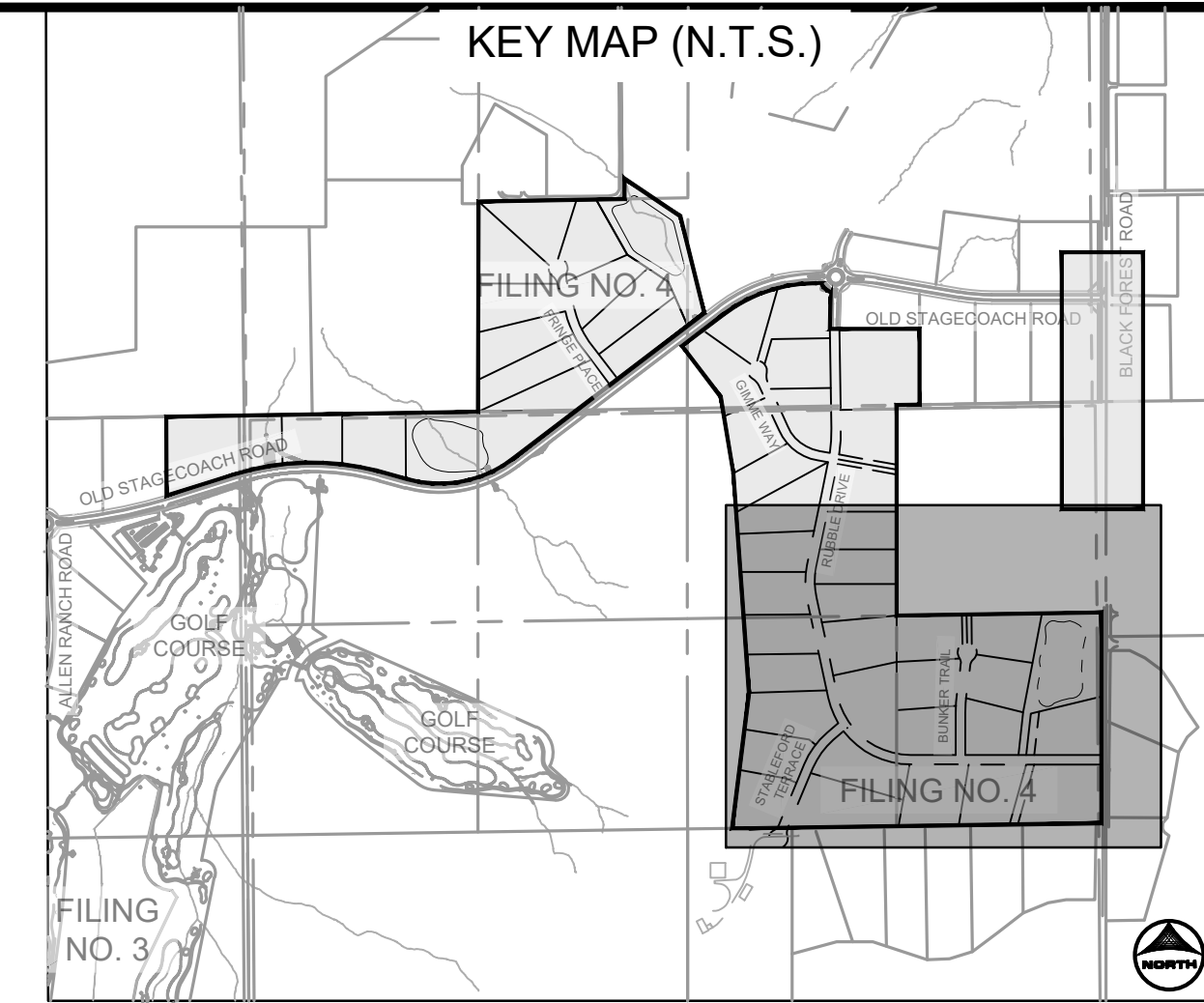
SLOPE @ CHANNEL FLOWLINE (%)	MAX SPACING (FEET)
0.5 - 0.75	200
0.75 - 1	150
1 - 1.25	120
1.25 - 1.5	100
1.5 - 1.75	85
1.75 - 2	75

TEMPORARY SEDIMENT BASIN A TO BE GRADED TO FINISHED POND ELEVATIONS PER CONSTRUCTION DRAWINGS.

SED BASIN A RISER PIPE INV. EL. AT BEND: 7528.37
RISER PIPE INFO: 2 COLUMNS OF ORIFICES.
10 ORIFICES TOTAL: 2 1/2" IN DIA. EA.
ROW 1 ORIFICE EL. 7534.76
ROW 2 ORIFICE EL. 7535.09
ROW 3 ORIFICE EL. 7535.42
ROW 4 ORIFICE EL. 7535.75
ROW 5 ORIFICE EL. 7536.08

TEMPORARY SEDIMENT BASIN RISER PIPE, 130 LF @ 7.2% DAYLIGHT AT INV. EL. 7524.00

TOTAL TRIBUTARY AREA: 72.1 AC
DISTURBED AREA: 16.6 AC
UNDISTURBED AREA: 55.5 AC
SEDIMENT VOL: 2.68 AC-FT
BASIN VOL: 2.68 AC-FT
BTM. OF POND: 7533.00
CREST EL.: 7537.00
TOP OF POND EL.: 7538.00
SPILLWAY PER FINISHED POND
EMERGENCY SPILLWAY (70'W BY 30'L)



- GEC LEGEND:**
- SF SILT FENCE
 - SSA STABILIZED STAGING AREA
 - SP STOCKPILE MANAGEMENT
 - IP INLET PROTECTION: IP-1 TO BE USED ON ALL INLETS
 - CIP CULVERT INLET PROTECTION
 - VTC VEHICLE TRACKING CONTROL
 - DS DRAINAGE SWALE
 - LOC LIMITS OF CONSTRUCTION
 - LID LIMITS OF DISTURBANCE
 - CUT CUT CONDITION
 - FC FILL CONDITION
 - FC FLOW DIRECTION
 - ECB EROSION CONTROL BLANKET
 - CD CHECK DAM (STRAW BALE)
 - CWA CONCRETE WASH OUT
 - TSB TEMPORARY SEDIMENT BASIN
 - TSD TSB TRIBUTARY AREA DELINEATION
- PHASE:**
- INITIAL/INTERIM
 - INITIAL/INTERIM
 - INITIAL/INTERIM
 - INTERIM
 - INTERIM
 - INITIAL
 - INTERIM
 - INITIAL/INTERIM/FINAL
 - INITIAL/INTERIM/FINAL
 - INITIAL
 - INTERIM/FINAL
 - INITIAL
 - INITIAL

- GRADING & EROSION CONTROL PLAN NOTES:**
- SEE SHEETS 11-12 FOR EL PASO COUNTY GRADING AND EROSION CONTROL DETAILS.
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 - AREA WITHIN LIMITS OF DISTURBANCE TO BE CLEARED, GRUBBED AND STOCKPILED PRIOR TO IMPORT OF ANY FILL.
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 - ALL CULVERTS ARE TO HAVE RIP-RAP INSTALLED AT OUTLET POINTS AS SEEN IN STORM CONSTRUCTION DRAWINGS.

PROJECT INFO:

BASE SURFACE: EXISTING-FULL VOLUME. COMPARISON SURFACE: FILING-4-FG

CUT FACTOR: 1.00
FILL FACTOR: 1.15
CUT VOLUME(ADJUSTED): 82678.57 CUBIC YARDS
FILL VOLUME(ADJUSTED): 87623.31 CUBIC YARDS
NET VOLUME(ADJUSTED): 4944.74(FILL) CUBIC YARDS

CUT FACTOR: 1.00
FILL FACTOR: 1.00
CUT VOLUME(UNADJUSTED): 82678.57 CUBIC YARDS
FILL VOLUME(UNADJUSTED): 76194.18 CUBIC YARDS
NET VOLUME(UNADJUSTED): 6484.39(FILL) CUBIC YARDS

LOC - LIMITS OF CONSTRUCTION (ENTIRE FILING PERIMETER CONTROL) = 185.80 AC

LID - LIMITS OF DISTURBANCE (ROADWAYS, UTILITIES, GRADING) = 33.71 AC



DRAWN BY: AMC JOB DATE: 10/31/2024
APPROVED: RDL JOB NUMBER: 211030.240
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CAD FILE: J:\2021\211030\CAD\DWG\C\Filing_No_4\GEC\GEC-Initial-Interim

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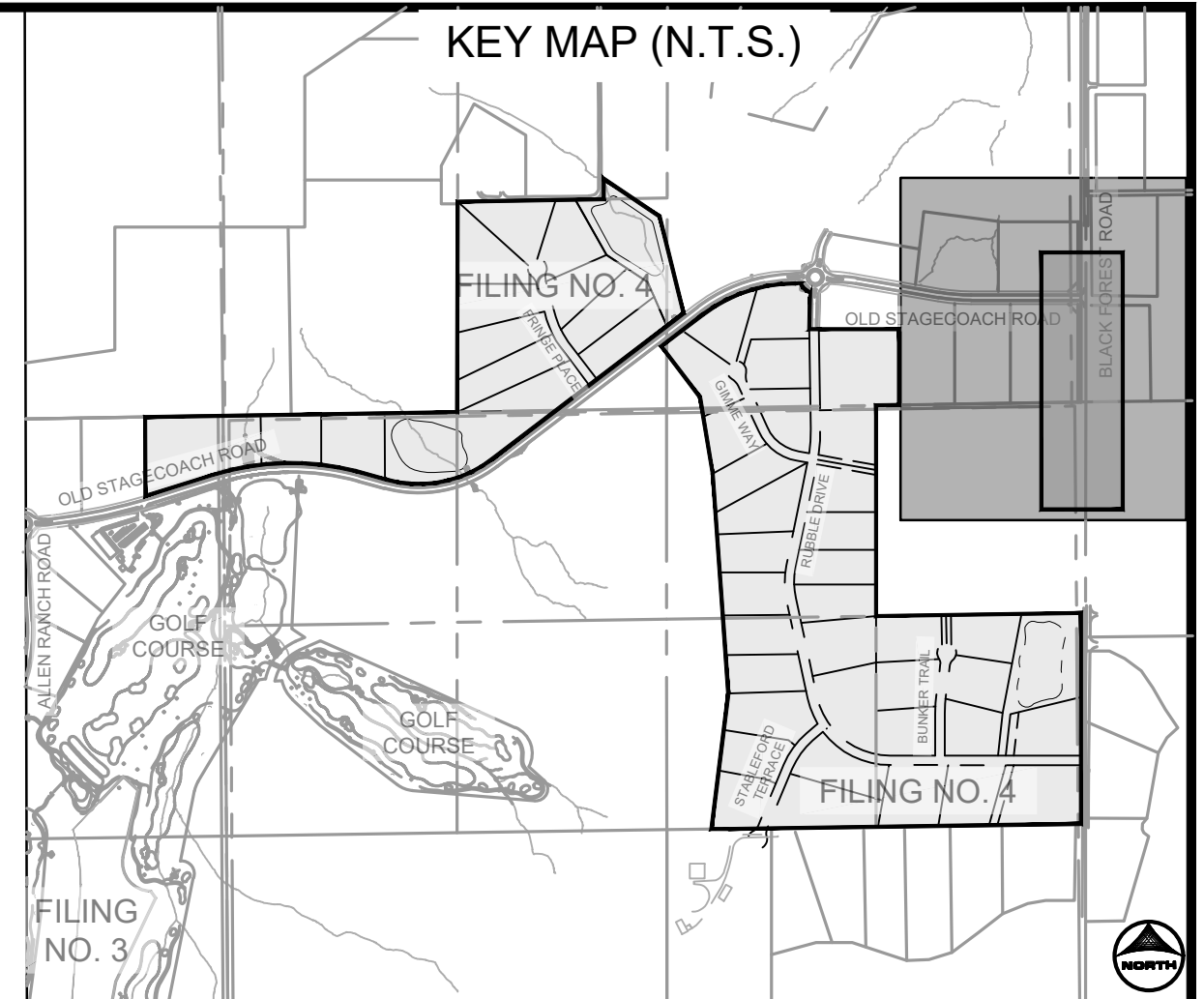
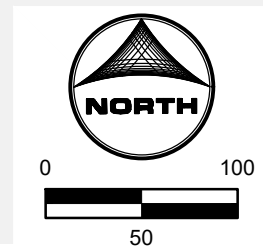
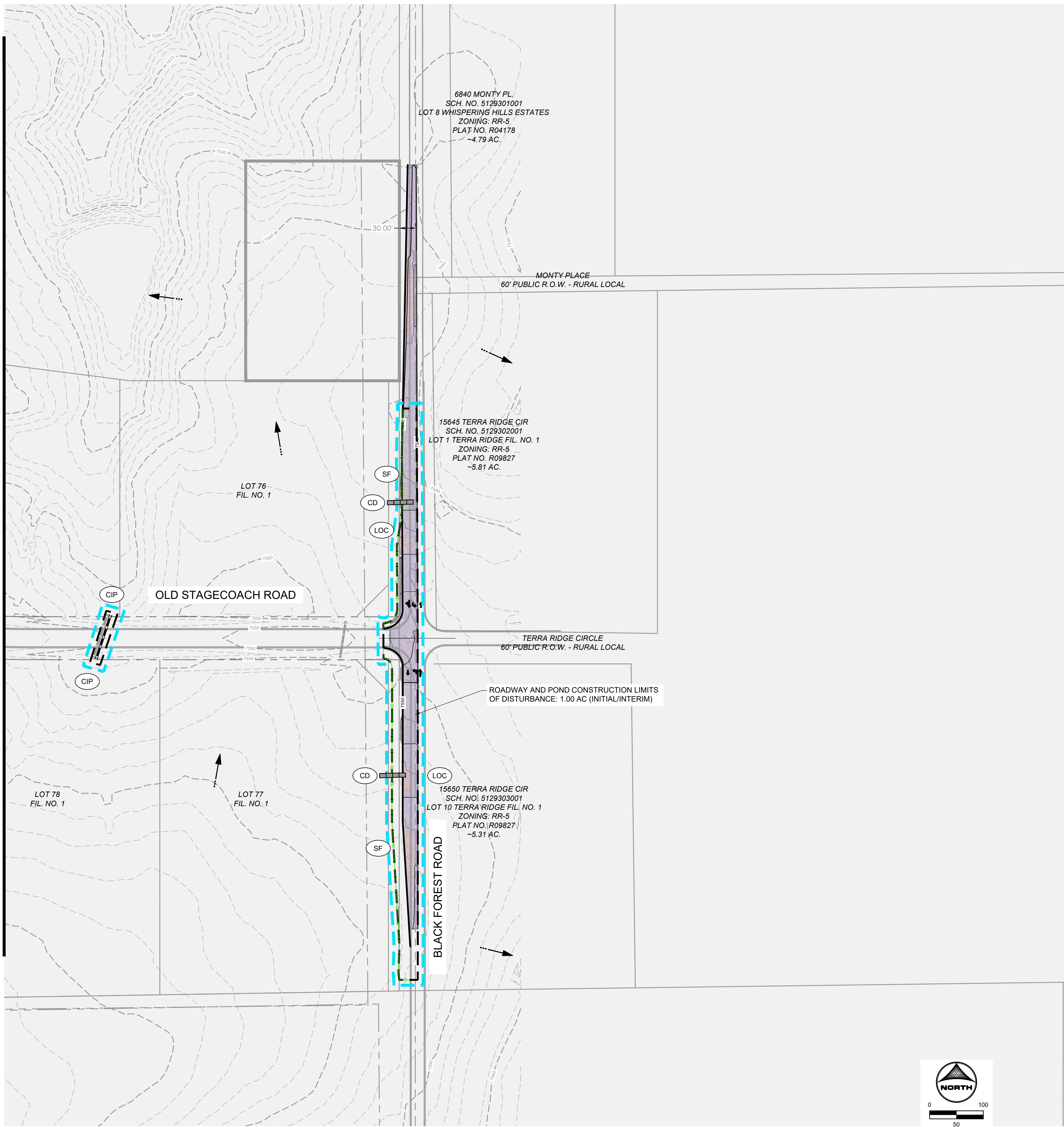
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PRI #2, LLC.
EL PASO COUNTY, CO**

**GRADING & EROSION CONTROL PLAN
INITIAL & INTERIM GEC**

SHEET GEC 5

MATCHLINE SEE SHEET 4



GEC LEGEND:

Symbol	Description	Phase
○ SF	SILT FENCE	INITIAL/INTERIM
□ SSA	STABILIZED STAGING AREA	INITIAL/INTERIM
□ SP	STOCKPILE MANAGEMENT	INITIAL/INTERIM
○ IP	INLET PROTECTION; IP-1 TO BE USED ON ALL INLETS	INTERIM
○ CIP	CULVERT INLET PROTECTION	INTERIM
○ VTC	VEHICLE TRACKING CONTROL	INITIAL
— DS	DRAINAGE SWALE	INTERIM
— LOC	LIMITS OF CONSTRUCTION	INITIAL/INTERIM/FINAL
— LOD	LIMITS OF DISTURBANCE	INITIAL/INTERIM/FINAL
■	CUT CONDITION	
■	FILL CONDITION	
→	FLOW DIRECTION	
□ ECB	EROSION CONTROL BLANKET	INTERIM/FINAL
□ CD	CHECK DAM (STRAW BALE)	INTERIM
□ CWA	CONCRETE WASH OUT	INITIAL
□ TSB	TEMPORARY SEDIMENT BASIN	INITIAL
—	TSB TRIBUTARY AREA DELINEATION	INITIAL

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PROJECT INFO:

Base Surface:	Volume:	Comparison Surface:
EXISTING-FULL	FILING-4-FG	
CUT FACTOR: 1.00		
FILL FACTOR: 1.15		
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FLYING HORSE NORTH FILING 4
PRI #2, LLC.
 EL PASO COUNTY, CO

GRADING & EROSION CONTROL PLAN
INITIAL & INTERIM GEC

SHEET
GEC
6



GEC LEGEND:		PHASE:
	TRM TURF REINFORCED MAT	FINAL
	SM SEEDING & MULCHING	FINAL
	DS DRAINAGE SWALE	
	LOD LIMITS OF CONSTRUCTION/DISTURBANCE	
	FLOW DIRECTION	
	ECB EROSION CONTROL BLANKET	INTERIM/FINAL

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PROJECT INFO:

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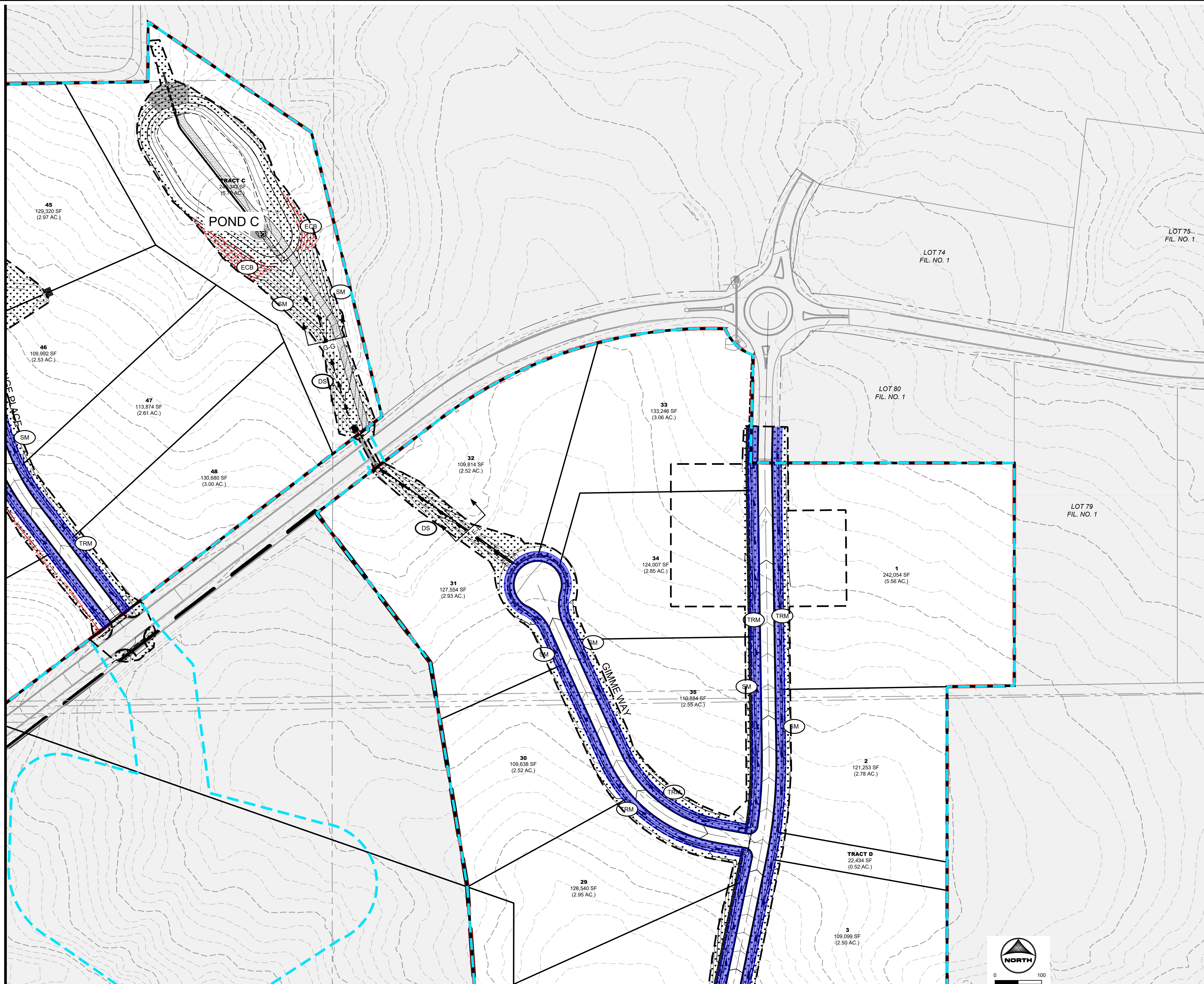
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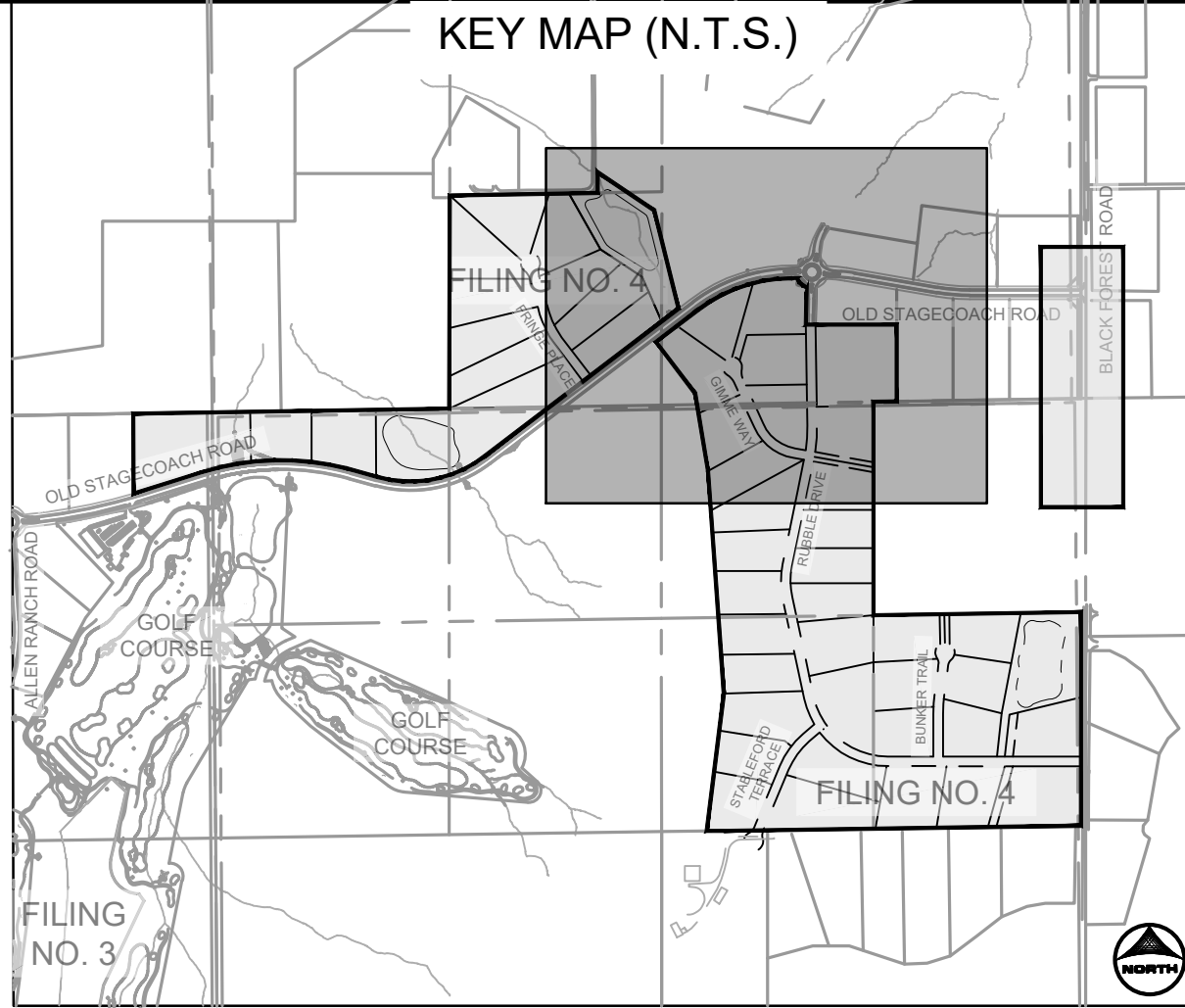
**GRADING & EROSION CONTROL PLAN
 FINAL GEC**

**SHEET
 GEC
 7**

DOMBROWSKI, COLIN, 10/31/2024 2:23 PM
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MATCHLINE SEE SHEET 9



GEC LEGEND:		PHASE:
	TRM TURF REINFORCED MAT	FINAL
	SM SEEDING & MULCHING	FINAL
	DS DRAINAGE SWALE	
	LOD LIMITS OF CONSTRUCTION/DISTURBANCE	
	FLOW DIRECTION	
	ECB EROSION CONTROL BLANKET	INTERIM/FINAL

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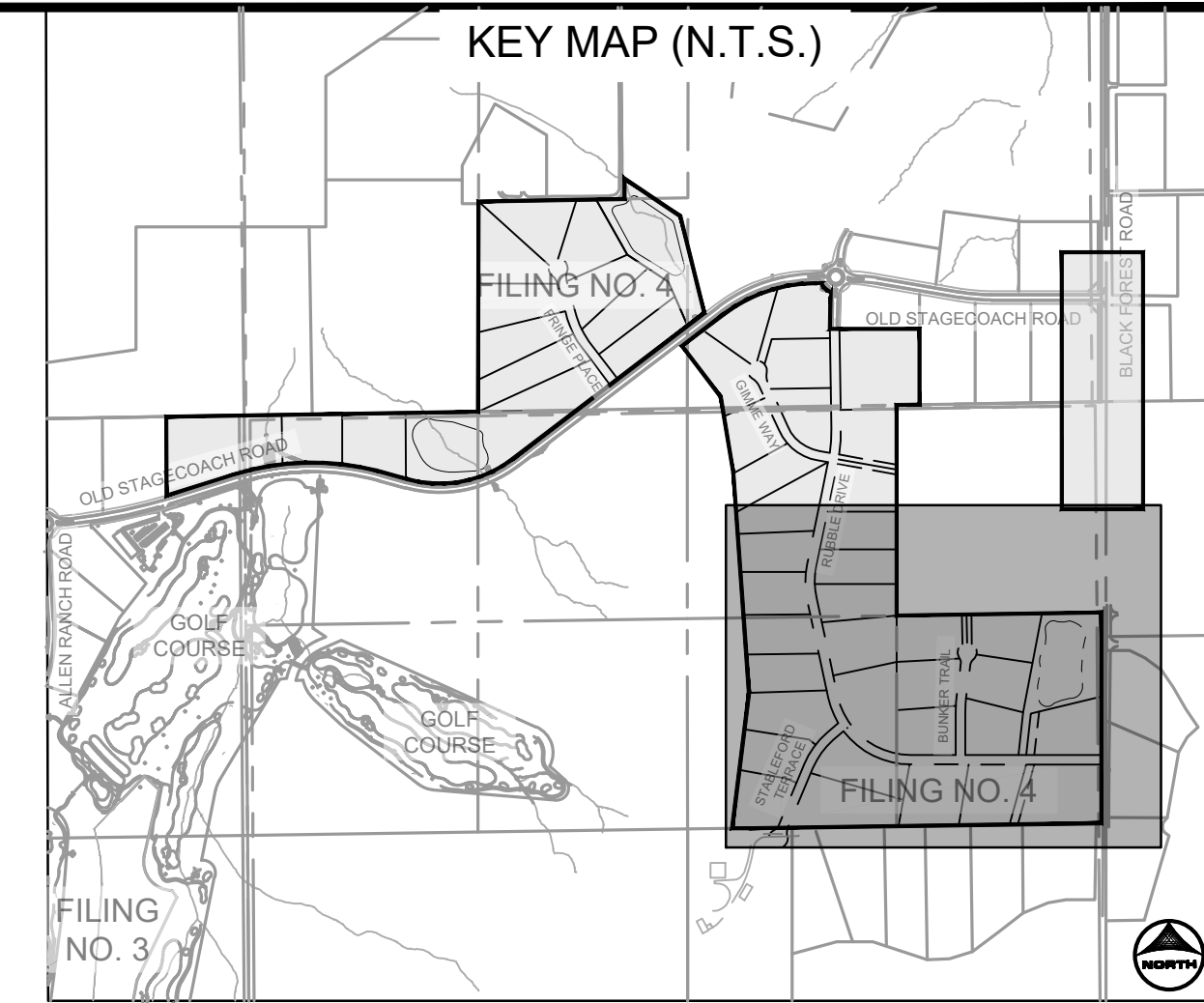
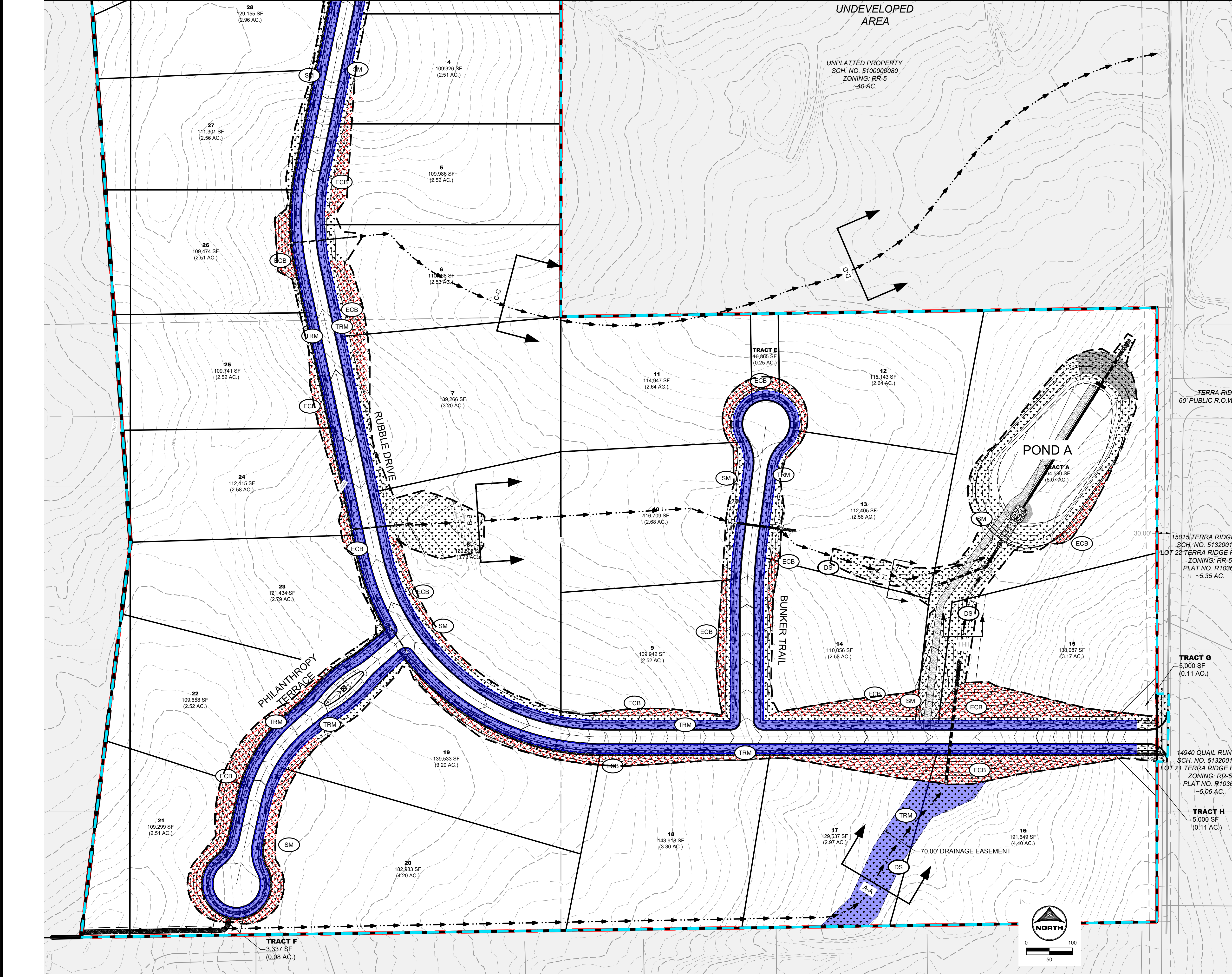
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FINAL GEC

SHEET
GEC
8



GEC LEGEND:		PHASE:	
	TRM	TURF REINFORCED MAT	FINAL
	SM	SEEDING & MULCHING	FINAL
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	LOD	LIMITS OF CONSTRUCTION/DISTURBANCE	
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 NET VOLUME(ADJUSTED): 4944.74(FILL) CUBIC YARDS

CUT FACTOR: 1.00
 FILL FACTOR: 1.00
 CUT VOLUME(UNADJUSTED): 82678.57 CUBIC YARDS
 FILL VOLUME(UNADJUSTED): 76194.18 CUBIC YARDS
 NET VOLUME(UNADJUSTED): 6484.39(FILL) CUBIC YARDS

LOC - LIMITS OF CONSTRUCTION (ENTIRE FILING PERMETER CONTROL) = 185.80 AC
 LOD - LIMITS OF DISTURBANCE (ROADWAYS, UTILITIES, GRADING) = 33.71 AC



PCD FILE NO.: SF2422

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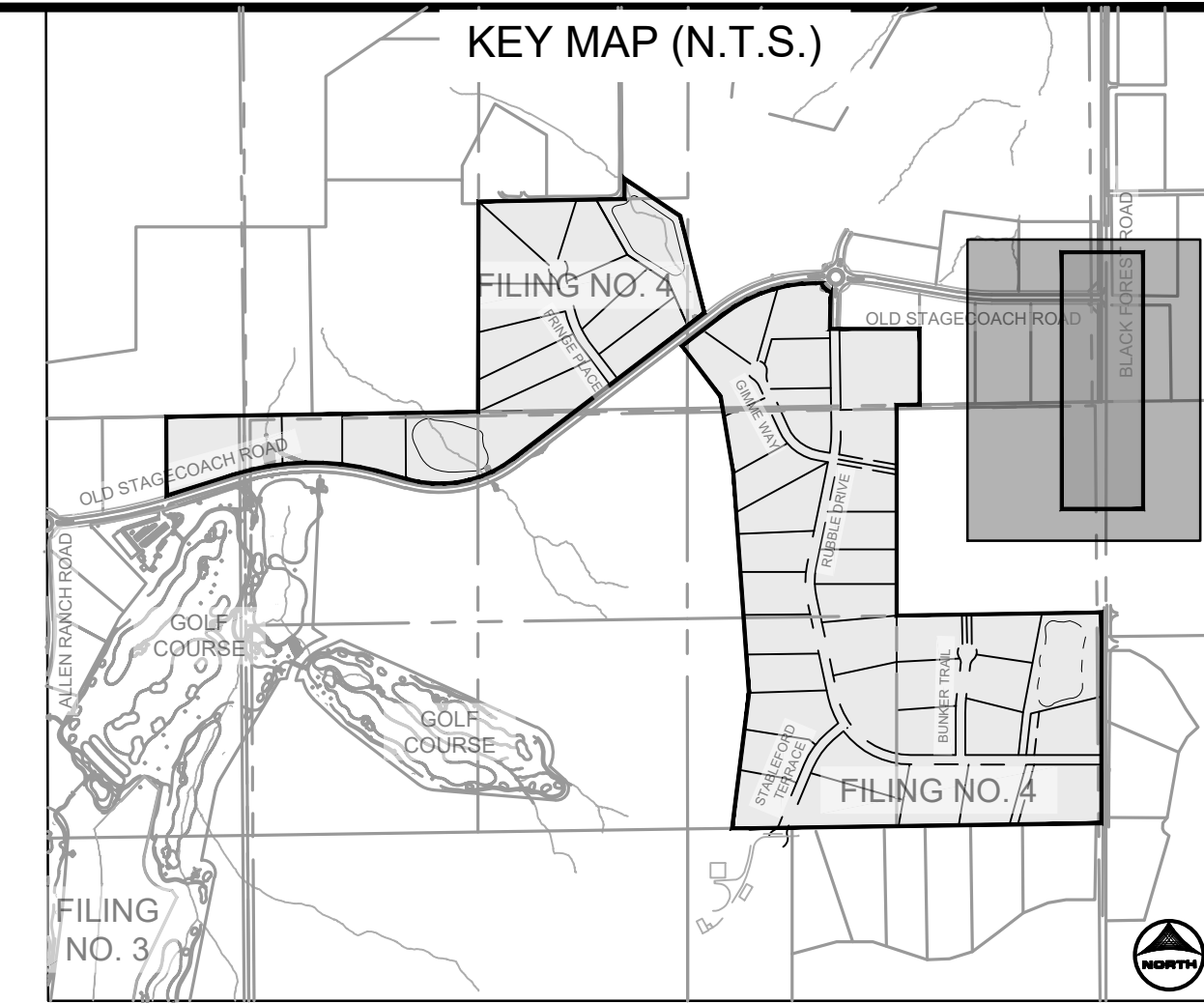
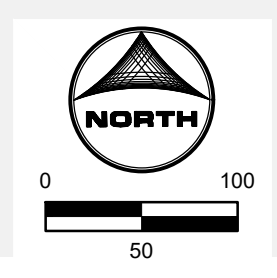
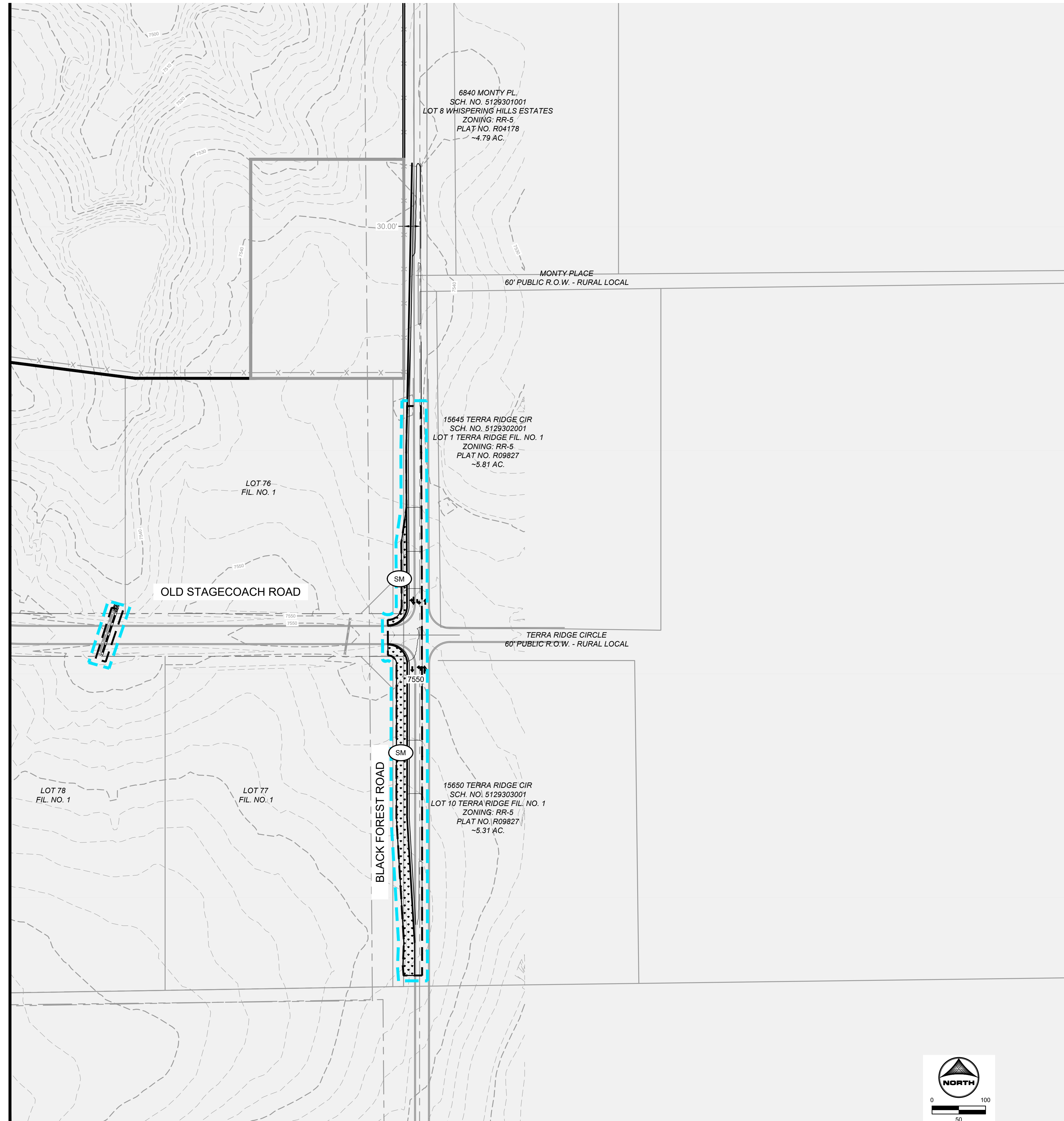
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 COLORADO SPRINGS, CO 80920
 PHONE: 719.300.4140
 FAX: 719.965.0044

**FLYING HORSE NORTH FILING 4
 PRI #2, LLC.**
 EL PASO COUNTY, CO

**GRADING & EROSION CONTROL PLAN
 FINAL GEC**

**SHEET
 GEC
 9**

MATCHLINE SEE SHEET 8



GEC LEGEND:		PHASE:	
	TRM	TURF REINFORCED MAT	FINAL
	SM	SEEDING & MULCHING	FINAL
	DS	DRAINAGE SWALE	
	LOD	LIMITS OF CONSTRUCTION/ DISTURBANCE	
		FLOW DIRECTION	
	ECB	EROSION CONTROL BLANKET	INTERIM/FINAL

GRADING & EROSION CONTROL PLAN NOTES:

- SEE SHEETS 11-12 FOR EL PASO COUNTY GRADING AND EROSION CONTROL DETAILS.
- ALL STORMWATER MANAGEMENT MEASURES SHOWN ON THIS PLAN MUST BE INSTALLED AND MAINTAINED PER THE EL PASO COUNTY STORMWATER CONSTRUCTION MANUAL, LATEST REVISIONS.
- AREA WITHIN LIMITS OF DISTURBANCE TO BE CLEARED, GRUBBED AND STOCKPILED PRIOR TO IMPORT OF ANY FILL.
- ALL GREATER THAN 4:1 SLOPES MUST RECEIVE SLOPE TRACKING TREATMENT AND EROSION CONTROL BLANKET.
- STOCKPILES REQUIRED DURING ONSITE CONSTRUCTION ACTIVITIES WILL BE PLACED AT THE DISCRETION OF THE CONTRACTOR. STOCKPILING OF MATERIAL MUST NOT OCCUR OUTSIDE THE LIMITS OF DISTURBANCE SHOWN ON THIS PLAN.
- NON-STRUCTURAL CONTROLS (I.E. STREET SWEEPING) WILL BE AT THE DISCRETION OF THE PROJECT'S CERTIFIED GEC ADMINISTRATOR THROUGHOUT THE DURATION OF LAND DISTURBING ACTIVITIES.
- THERE ARE NO ANTICIPATED ASPHALT AND/OR CONCRETE BATCH PLANTS, OR MASONRY MIX STATIONS ASSOCIATED WITH THIS PROJECT. IF THE CONTRACTOR REQUIRES A ASPHALT/CONCRETE BATCH PLANTS OR MASONRY MIX STATIONS, THESE PLANS WILL BE AMENDED AS REQUIRED.
- THERE ARE NO EXISTING PRESERVATION EASEMENTS LOCATED ON SITE.
- ONSITE EXISTING VEGETATION IS NATIVE GRASSES AND WEEDS. THERE IS NO NOTABLE VEGETATION OTHERWISE.
- THE NATURAL TERTIARY SWALE THROUGH LOTS 16 AND 17 IS PLATTED AS A PUBLIC DRAINAGE EASEMENT WITH A VARIED WIDTH. THE EASEMENT IS TO HAVE TMAX TRM INSTALLED WITH PERMANENT SEEDING. ALL OTHER NATURAL TERTIARY SWALES DO NOT REQUIRE TRM AND ARE NOT TO BE DISTURBED. AREAS REQUIRING ROLLMAX TRM (TMAX OR P300) ARE CALLED OUT ON THE PLANS AND ARE AREAS NEAR POND CONCRETE RUNDOWNS OR ROADSIDE SWALES. SEE THE PERMANENT CHANNEL LINING PROVIDED ON SHEET 2.
- ALL ROADSIDE DITCHES ARE TO HAVE PERMANENT TRM (ROLLMAX P300 OR EQUIV.) INSTALLED.
- ALL CULVERTS ARE TO HAVE RIP-RAP INSTALLED AT OUTLET POINTS AS SEEN IN STORM CONSTRUCTION DRAWINGS.

PROJECT INFO:

VOLUME:
 BASE SURFACE: EXISTING-FULL COMPARISON SURFACE: FILING-4-FG

CUT FACTOR: 1.00
 FILL FACTOR: 1.15
 CUT VOLUME(ADJUSTED): 82678.57 CUBIC YARDS
 FILL VOLUME(ADJUSTED): 87623.31 CUBIC YARDS
 NET VOLUME(ADJUSTED): 4944.74(FILL) CUBIC YARDS

CUT FACTOR: 1.00
 FILL FACTOR: 1.00
 CUT VOLUME(UNADJUSTED): 82678.57 CUBIC YARDS
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LOC - LIMITS OF CONSTRUCTION (ENTIRE FILING PERMETER CONTROL) = 185.80 AC

LOD - LIMITS OF DISTURBANCE (ROADWAYS, UTILITIES, GRADING) = 33.71 AC



PCD FILE NO.: SF2422

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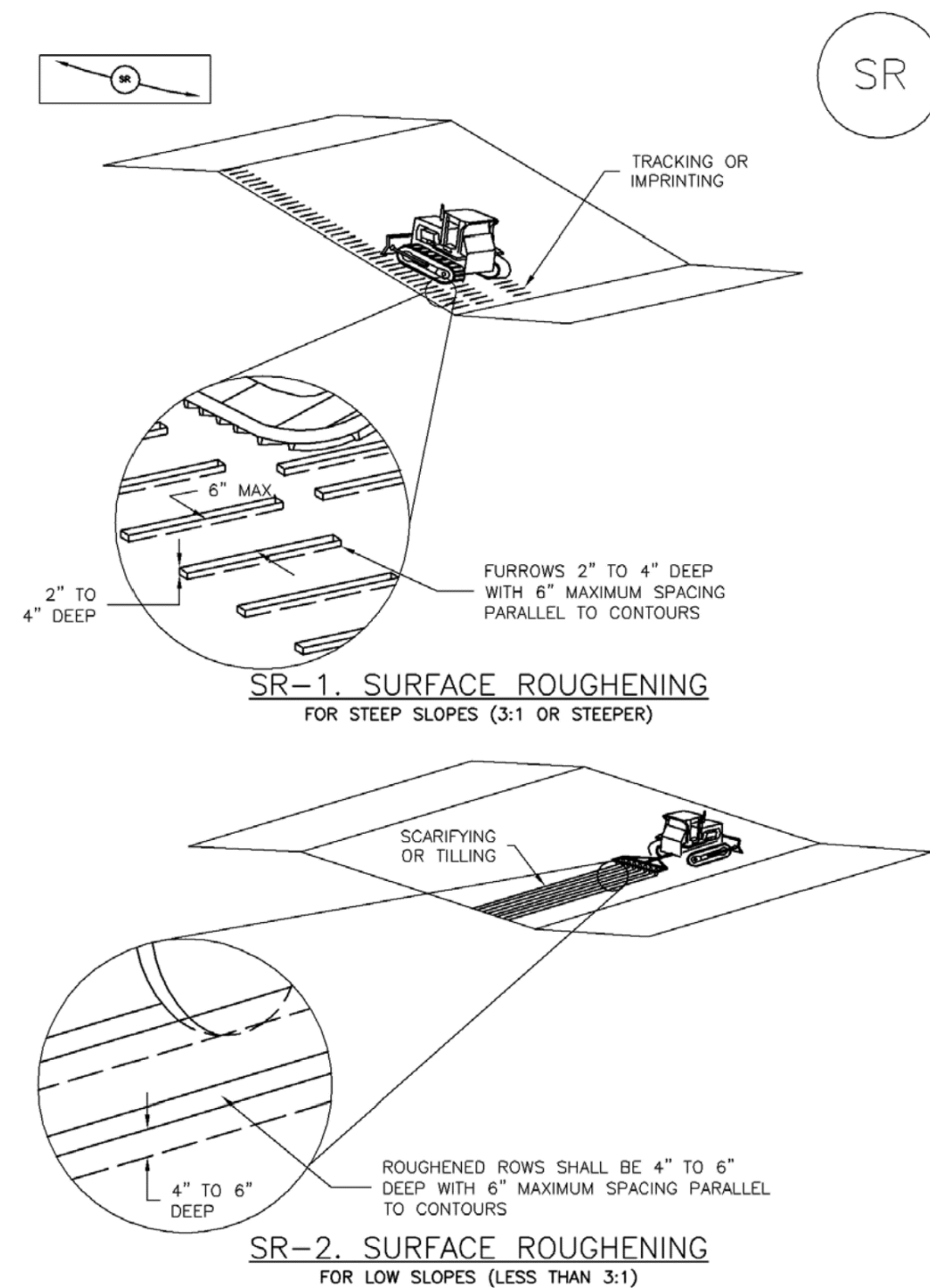
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GRADING & EROSION CONTROL PLAN
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**SHEET
 GEC
 10**

Surface Roughening (SR) EC-1



November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SR-3

Mulching (MU) EC-4

Description

Mulching consists of evenly applying straw, hay, shredded wood mulch, rock, bark or compost to disturbed soils and securing the mulch by crimping, tackifiers, netting or other measures.



Photograph MU-1. An area that was recently seeded, mulched, and crimped.

Mulch can be applied either using standard mechanical dry application methods or using hydromulching equipment that hydraulically applies a slurry of water, wood fiber mulch, and often a tackifier.

Appropriate Uses

Use mulch in conjunction with seeding to help protect the seedbed and stabilize the soil. Mulch can also be used as a temporary cover on low to mild slopes to help temporarily stabilize disturbed areas where growing season constraints prevent effective reseeding.

Standard dry mulching is encouraged in most jurisdictions; however, hydromulching may not be allowed in certain jurisdictions or may not be allowed near waterways.

Do not apply mulch during windy conditions.

Design and Installation

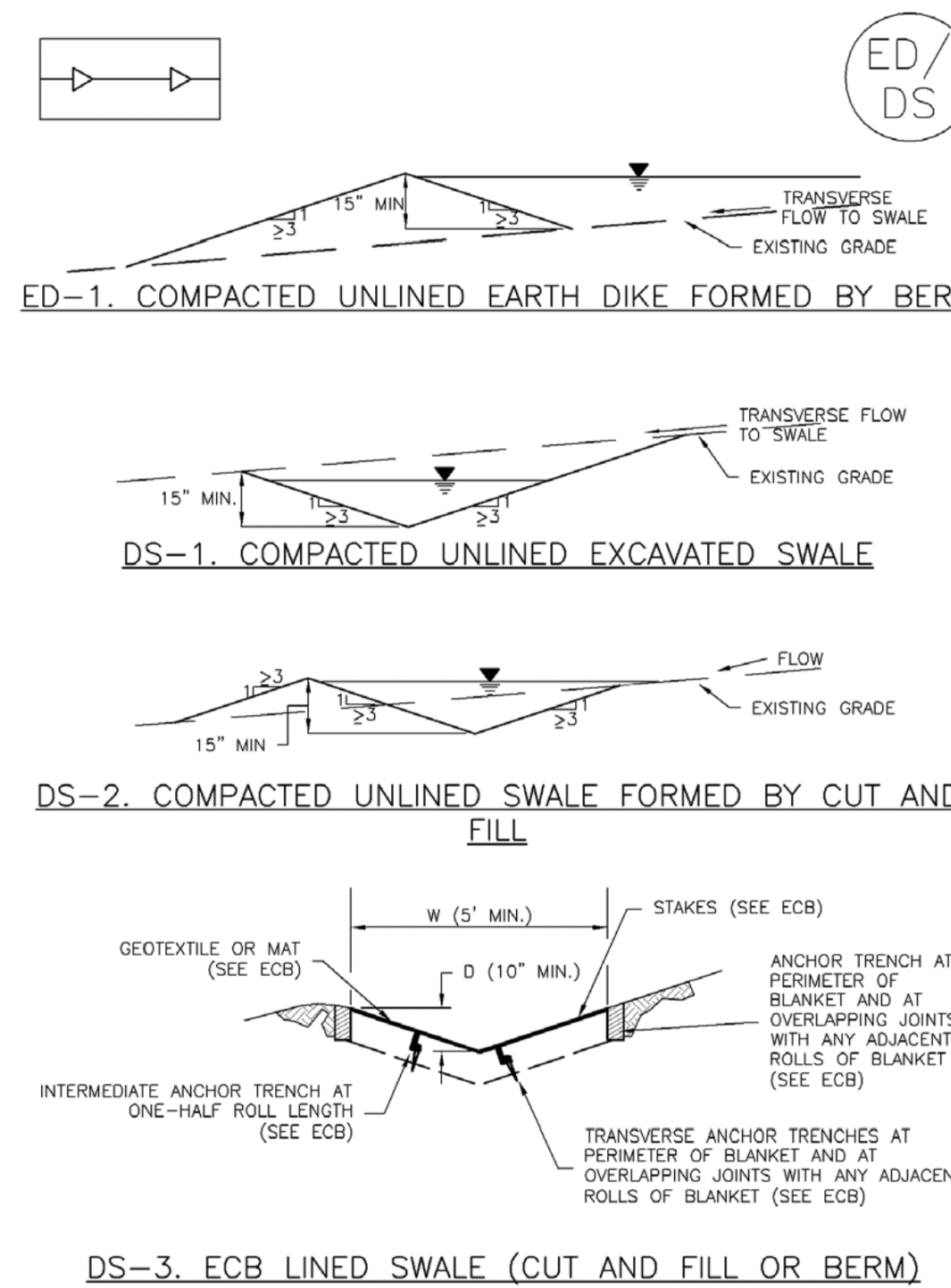
Prior to mulching, surface-roughen areas by rolling with a crimping or punching type roller or by track walking. Track walking should only be used where other methods are impractical because track walking with heavy equipment typically compacts the soil.

A variety of mulches can be used effectively at construction sites. Consider the following:

Table with 2 columns: Functions, Mulch. Rows include Erosion Control (Yes), Sediment Control (Moderate), and Site/Material Management (No).

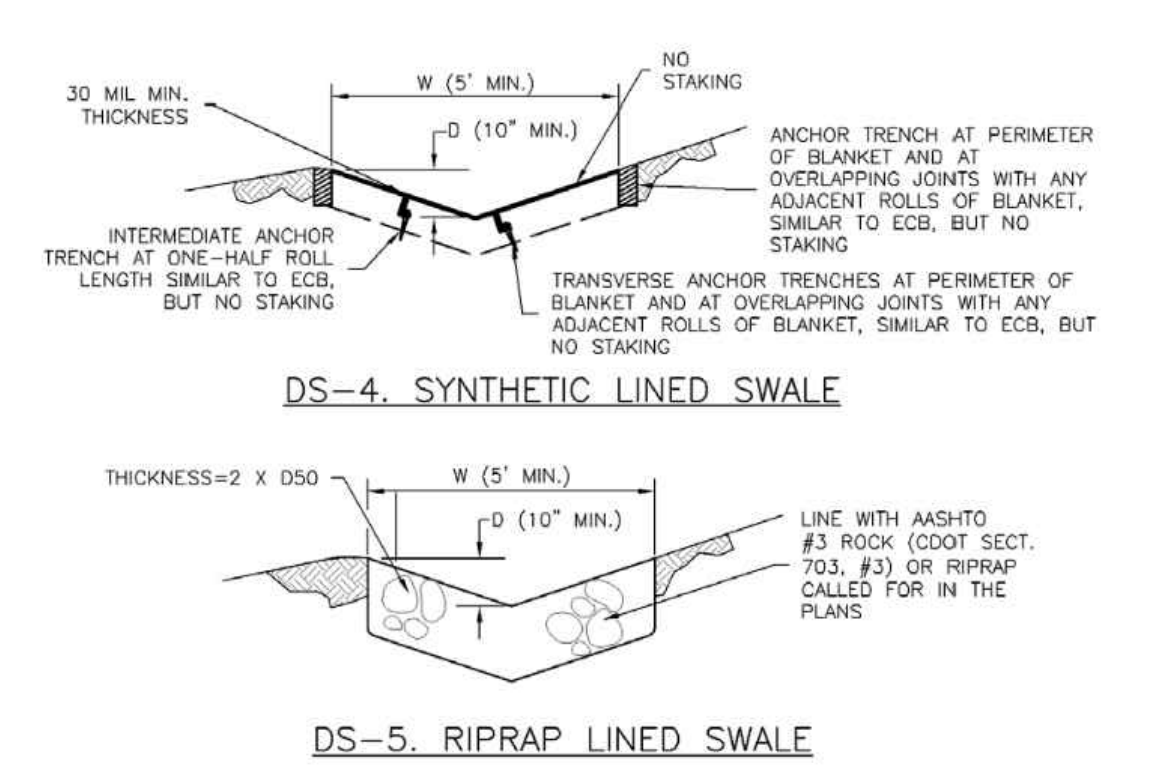
June 2012 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 MU-1

Earth Dikes and Drainage Swales (ED/DS) EC-10



November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 ED/DS-3

EC-10 Earth Dikes and Drainage Swales (ED/DS)

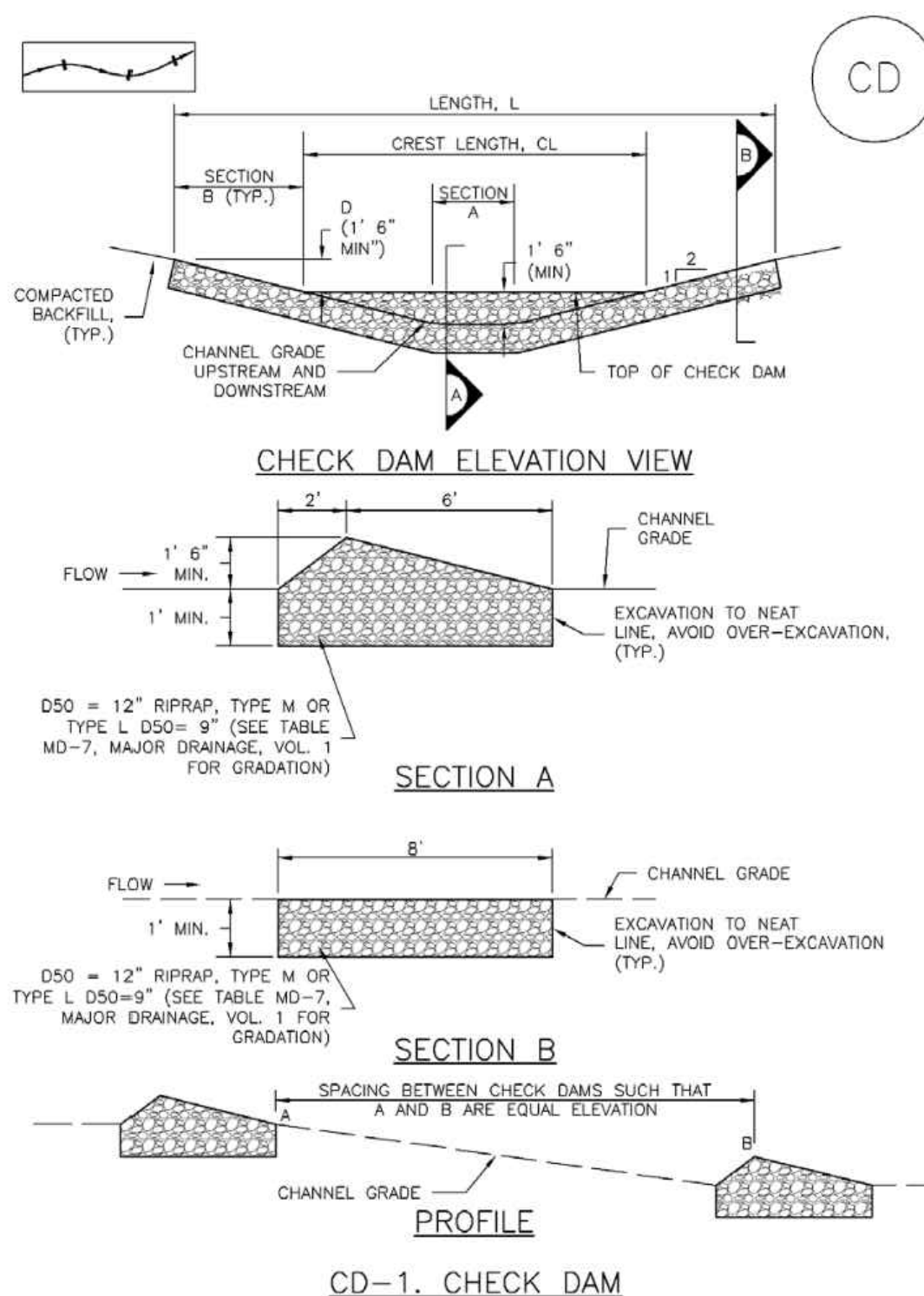


EARTH DIKE AND DRAINAGE SWALE INSTALLATION NOTES

- 1. SEE SITE PLAN FOR: LOCATION OF DIVERSION SWALE, TYPE OF SWALE (UNLINED, COMPACTED AND/OR LINED), LENGTH OF EACH SWALE, DEPTH, D, AND WIDTH, W DIMENSIONS, FOR ECB/TRM LINED DITCH, SEE ECB DETAIL, FOR RIPRAP LINED DITCH, SIZE OF RIPRAP, D50.
2. SEE DRAINAGE PLANS FOR DETAILS OF PERMANENT CONVEYANCE FACILITIES AND/OR DIVERSION SWALES EXCEEDING 2-YEAR FLOW RATE OR 10 CFS.
3. EARTH DIKES AND SWALES INDICATED ON SWMP PLAN SHALL BE INSTALLED PRIOR TO LAND-DISTURBING ACTIVITIES IN PROXIMITY.
4. EMBANKMENT IS TO BE COMPACTED TO 90% OF MAXIMUM DENSITY AND WITHIN 2% OF OPTIMUM MOISTURE CONTENT ACCORDING TO ASTM D698.
5. SWALES ARE TO DRAIN TO A SEDIMENT CONTROL BMP.
6. FOR LINED DITCHES, INSTALLATION OF ECB/TRM SHALL CONFORM TO THE REQUIREMENTS OF THE ECB DETAIL.
7. WHEN CONSTRUCTION TRAFFIC MUST CROSS A DIVERSION SWALE, INSTALL A TEMPORARY CULVERT WITH A MINIMUM DIAMETER OF 12 INCHES.

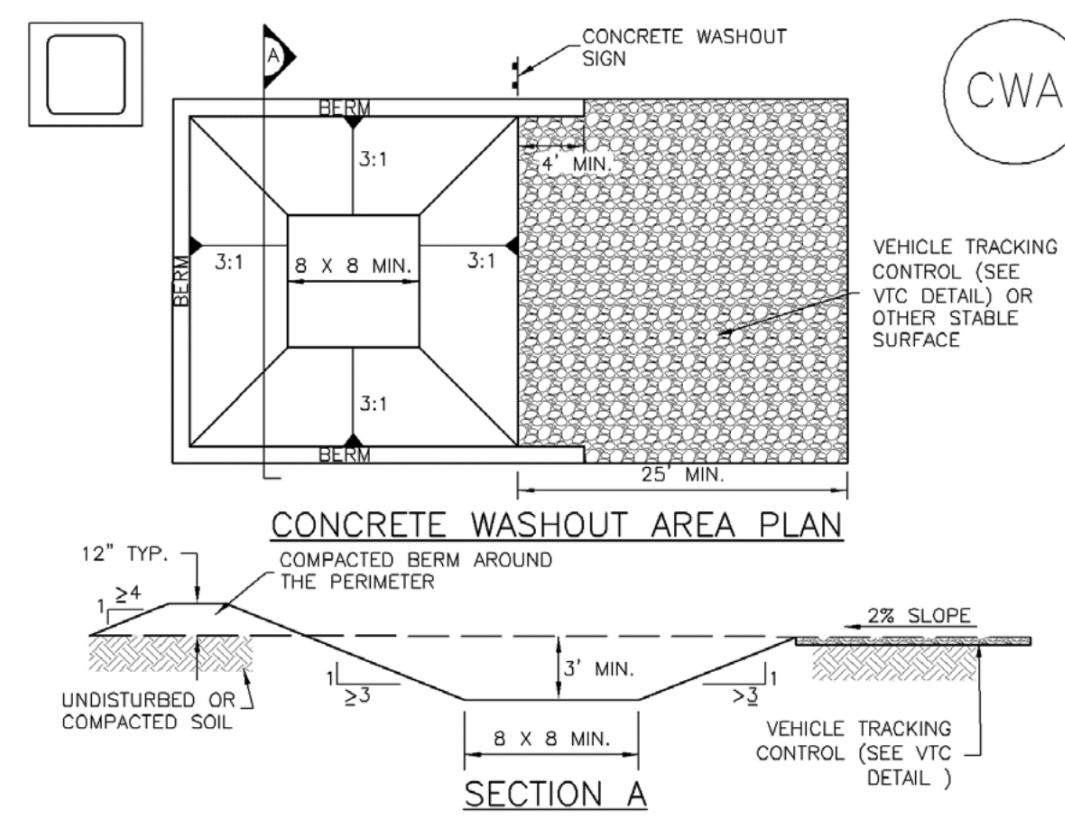
ED/DS-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

Check Dams (CD) EC-12



November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 CD-3

Concrete Washout Area (CWA) MM-1



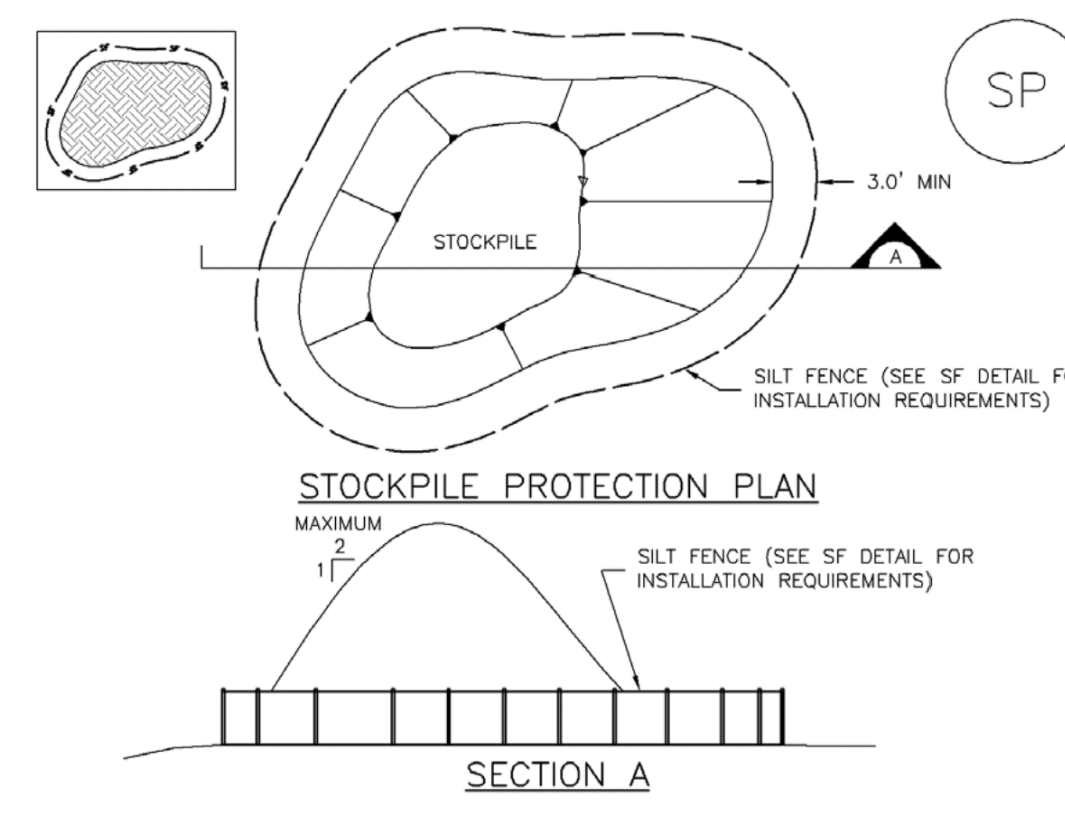
CWA-1. CONCRETE WASHOUT AREA

CWA INSTALLATION NOTES

- 1. SEE PLAN VIEW FOR: CWA INSTALLATION LOCATION.
2. DO NOT LOCATE AN UNLINED CWA WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY. DO NOT LOCATE WITHIN 1,000' OF ANY WELLS OR DRINKING WATER SOURCES. IF SITE CONSTRAINTS MAKE THIS INFEASIBLE, OR IF HIGHLY PERMEABLE SOILS EXIST ON SITE, THE CWA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (1.6 MIL. MIN. THICKNESS) OR SURFACE STORAGE ALTERNATIVES USING PREFABRICATED CONCRETE WASHOUT DEVICES OR A LINED ABOVE GROUND STORAGE ARE SHOULD BE USED.
3. THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
4. CWA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8' BY 8' SLOPES LEADING OUT OF THE SUBSURFACE PIT SHALL BE 3:1 OR FLATTER. THE PIT SHALL BE AT LEAST 3' DEEP.
5. BERM SURROUNDING SIDES AND BACK OF THE CWA SHALL HAVE MINIMUM HEIGHT OF 1'.
6. VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS THE CWA.
7. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CWA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CWA TO OPERATORS OF CONCRETE TRUCKS AND PUMP TRIGS.
8. USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.

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Stockpile Management (SP) MM-2



SP-1. STOCKPILE PROTECTION

STOCKPILE PROTECTION INSTALLATION NOTES

- 1. SEE PLAN VIEW FOR: LOCATION OF STOCKPILES, TYPE OF STOCKPILE PROTECTION.
2. INSTALL PERIMETER CONTROLS IN ACCORDANCE WITH THEIR RESPECTIVE DESIGN DETAILS. SILT FENCE IS SHOWN IN THE STOCKPILE PROTECTION DETAILS; HOWEVER, OTHER TYPES OF PERIMETER CONTROLS INCLUDING SEDIMENT CONTROL LOGS OR ROCK SOCKS MAY BE SUITABLE IN SOME CIRCUMSTANCES. CONSIDERATIONS FOR DETERMINING THE APPROPRIATE TYPE OF PERIMETER CONTROL FOR A STOCKPILE INCLUDE WHETHER THE STOCKPILE IS LOCATED ON A PERVIOUS OR IMPERVIOUS SURFACE, THE RELATIVE HEIGHTS OF THE PERIMETER CONTROL AND STOCKPILE, THE ABILITY OF THE PERIMETER CONTROL TO CONTAIN THE STOCKPILE WITHOUT FAILING IN THE EVENT THAT MATERIAL FROM THE STOCKPILE SHIFTS OR SLUMPS AGAINST THE PERIMETER, AND OTHER FACTORS.
3. STABILIZE THE STOCKPILE SURFACE WITH SURFACE ROUGHENING, TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS, OR SOIL BINDERS. SOILS STOCKPILED FOR AN EXTENDED PERIOD (TYPICALLY FOR MORE THAN 60 DAYS) SHOULD BE SEEDDED AND MULCHED WITH A TEMPORARY GRASS COVER ONCE THE STOCKPILE IS PLACED (TYPICALLY WITHIN 14 DAYS). USE OF MULCH ONLY OR A SOIL BINDER IS ACCEPTABLE IF THE STOCKPILE WILL BE IN PLACE FOR A MORE LIMITED TIME PERIOD (TYPICALLY 30-60 DAYS).
4. FOR TEMPORARY STOCKPILES ON THE INTERIOR PORTION OF A CONSTRUCTION SITE, WHERE OTHER DOWNGRADEMENT CONTROLS, INCLUDING PERIMETER CONTROL, ARE IN PLACE, STOCKPILE PERIMETER CONTROLS MAY NOT BE REQUIRED.

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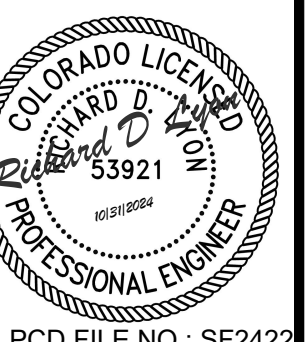


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GRADING & EROSION CONTROL PLAN DETAILS

SHEET DT 11



Good Housekeeping Practices (GH)

MM-3

Description

Implement construction site good housekeeping practices to prevent pollution associated with solid, liquid and hazardous construction-related materials and wastes.

- Provide for waste management.
Establish proper building material staging areas.
Designate paint and concrete washout areas.
Establish proper equipment/vehicle fueling and maintenance practices.
Control equipment/vehicle washing and allowable non-stormwater discharges.
Develop a spill prevention and response plan.



Photographs GH-1 and GH-2. Proper materials storage and secondary containment for fuel tanks are important good housekeeping practices.

Acknowledgement: This Fact Sheet is based directly on EPA guidance provided in Developing Your Stormwater Pollution Prevention Plan (EPA 2007).

Appropriate Uses

Good housekeeping practices are necessary at all construction sites.

Design and Installation

The following principles and actions should be addressed in SWMPs:

- Provide for Waste Management. Implement management procedures and practices to prevent or reduce the exposure and transport of pollutants in stormwater from solid, liquid and sanitary wastes that will be generated at the site.

Solid or Construction Waste

- Designate trash and bulk waste-collection areas on-site.

Table with 2 columns: Functions, Good Housekeeping. Rows include Erosion Control, Sediment Control, and Site/Material Management.

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 GH-1

Good Housekeeping Practices (GH)

- Recycle materials whenever possible (e.g., paper, wood, concrete, oil).
Segregate and provide proper disposal options for hazardous material wastes.
Clean up litter and debris from the construction site daily.
Locate waste-collection areas away from streets, gutters, watercourses, and storm drains.

Sanitary and Septic Waste

- Provide convenient, well-maintained, and properly located toilet facilities on-site.
Locate toilet facilities away from storm drain inlets and waterways to prevent accidental spills and contamination of stormwater.
Maintain clean restroom facilities and empty portable toilets regularly.
Where possible, provide secondary containment pans under portable toilets.
Provide tie-downs or stake-downs for portable toilets.
Educate employees, subcontractors, and suppliers on locations of facilities.
Treat or dispose of sanitary and septic waste in accordance with state or local regulations.
Inspect facilities for leaks. If found, repair or replace immediately.
Special care is necessary during maintenance (pump out) to ensure that waste and/or biocide are not spilled on the ground.

Hazardous Materials and Wastes

- Develop and implement employee and subcontractor education, as needed, on hazardous and toxic waste handling, storage, disposal, and cleanup.
Designate hazardous waste-collection areas on-site.
Place all hazardous and toxic material wastes in secondary containment.

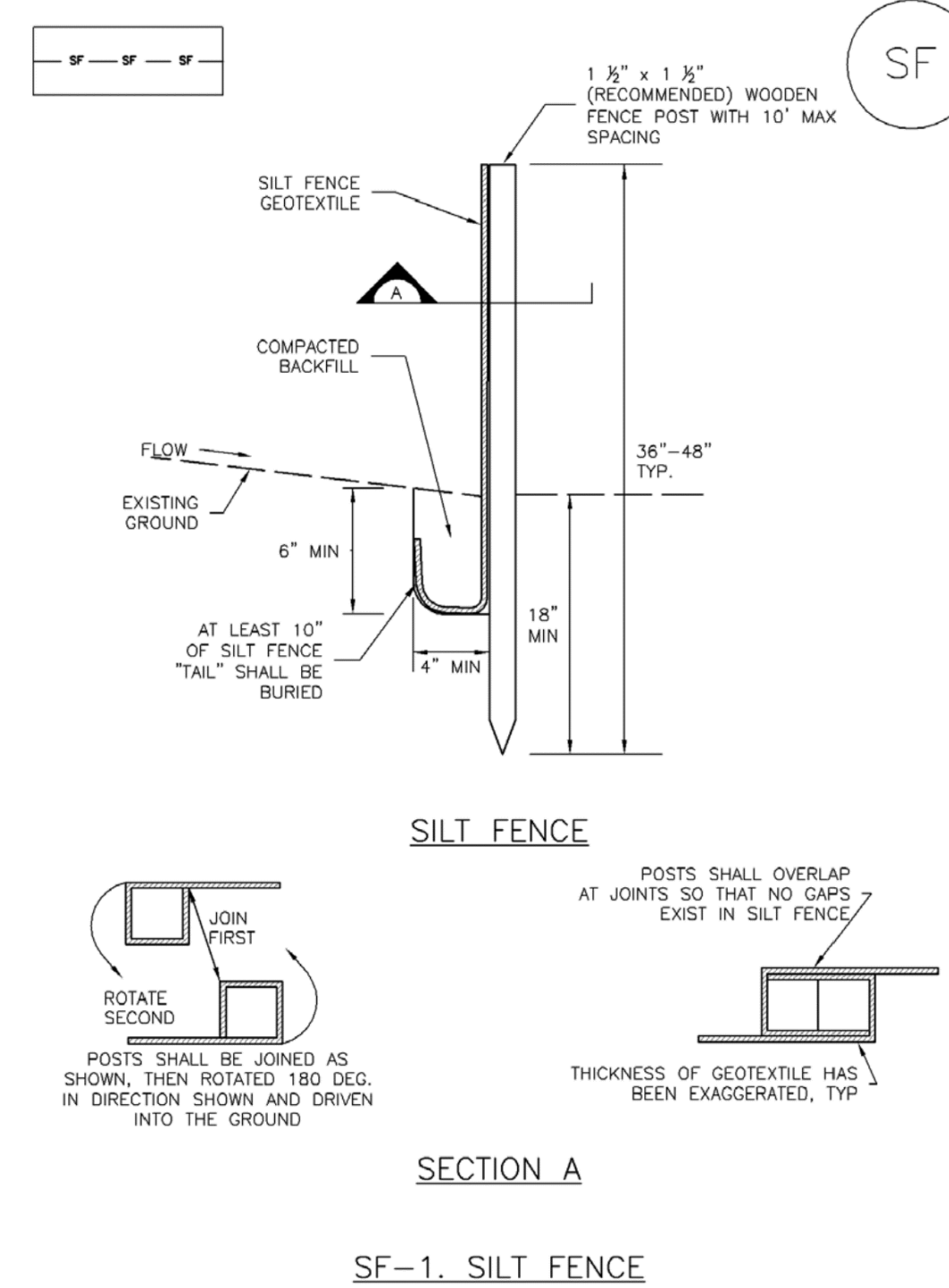


Photograph GH-3. Locate portable toilet facilities on level surfaces away from waterways and storm drains. Photo courtesy of WVE.

GH-2 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

Silt Fence (SF)

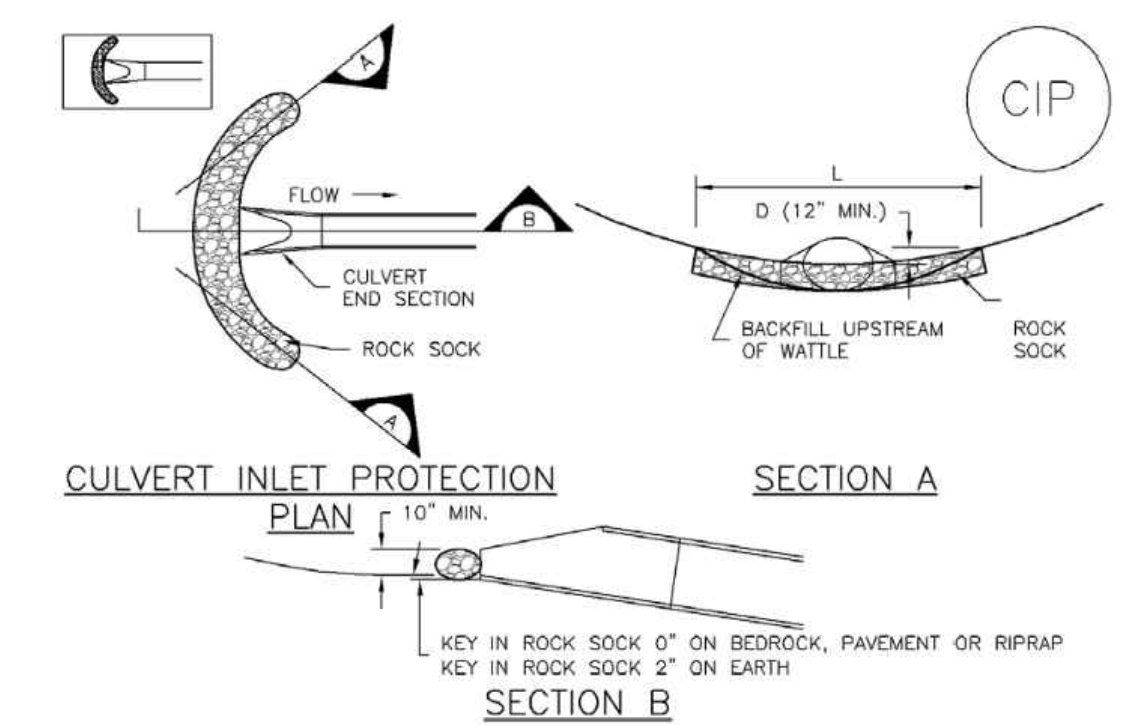
SC-1



November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SF-3

Inlet Protection (IP)

SC-6



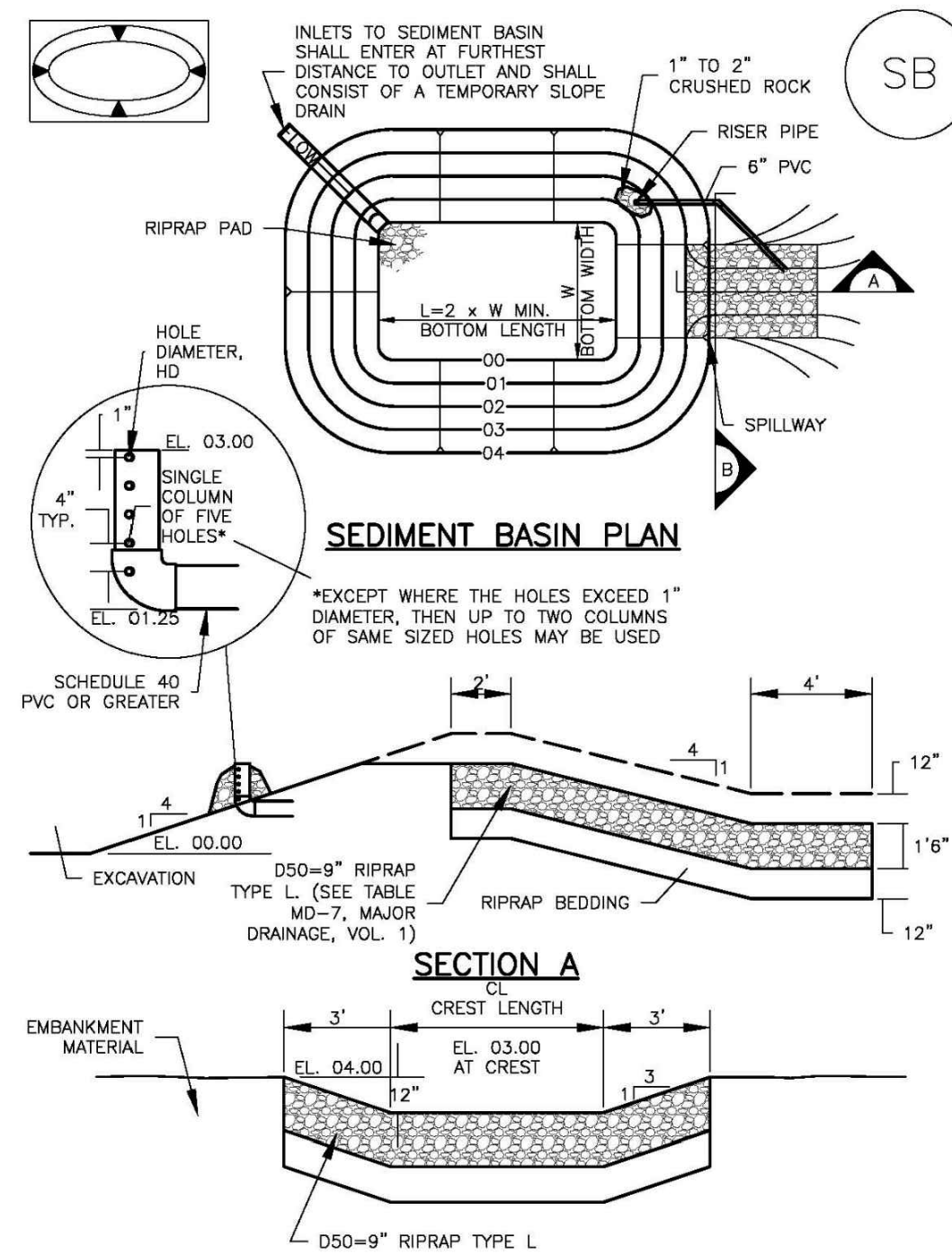
CIP-1. CULVERT INLET PROTECTION

- Installation notes: See plan view for location of culvert inlet protection. See rock sock design detail for rock gradation requirements and jointing detail.
Maintenance notes: Inspect BMPs each workday and maintain them in effective operating condition. Frequent observations and maintenance are necessary to maintain BMPs in effective operating condition.

August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 IP-7

Sediment Basin (SB)

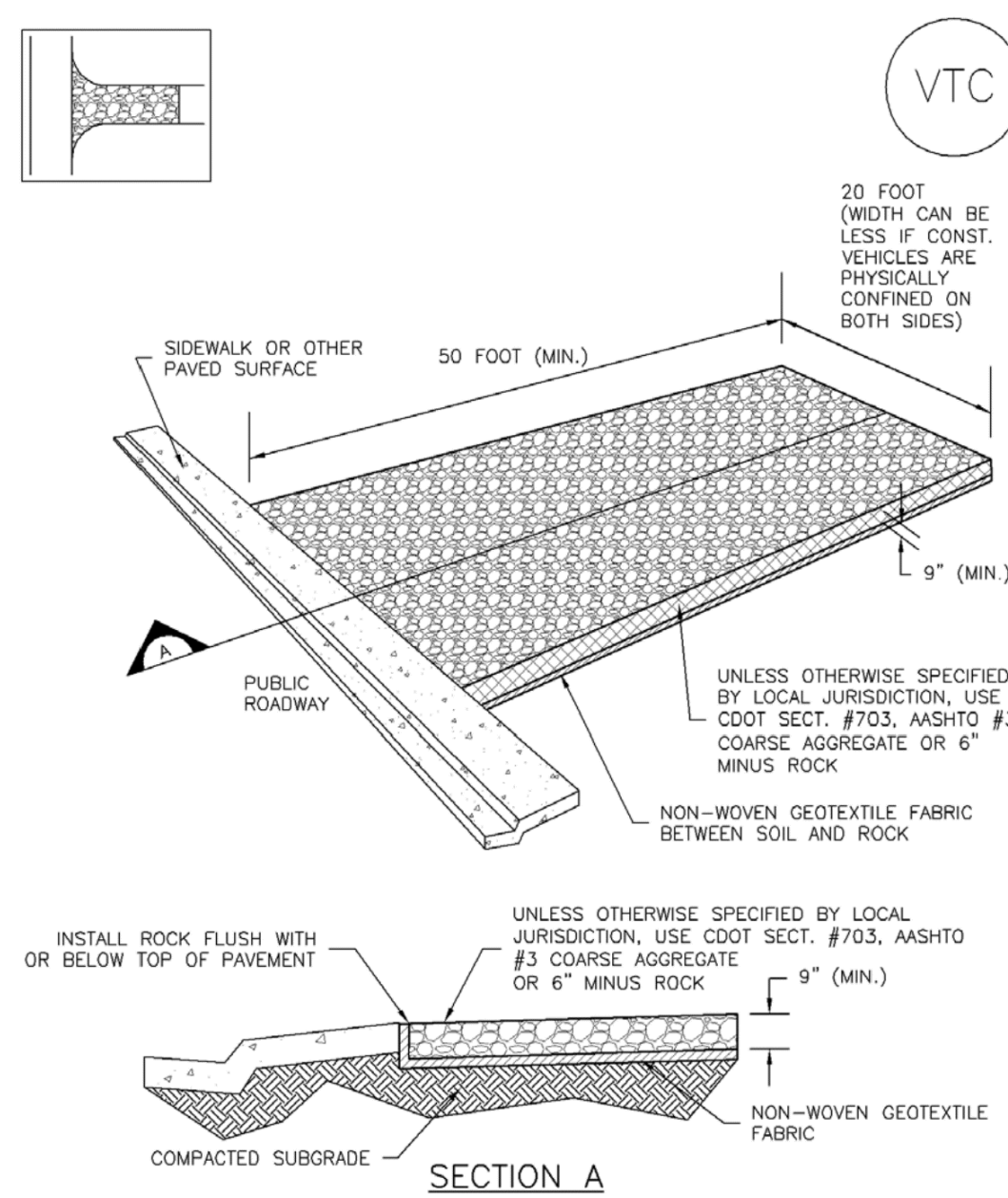
SC-7



August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SB-5

Vehicle Tracking Control (VTC)

SM-4

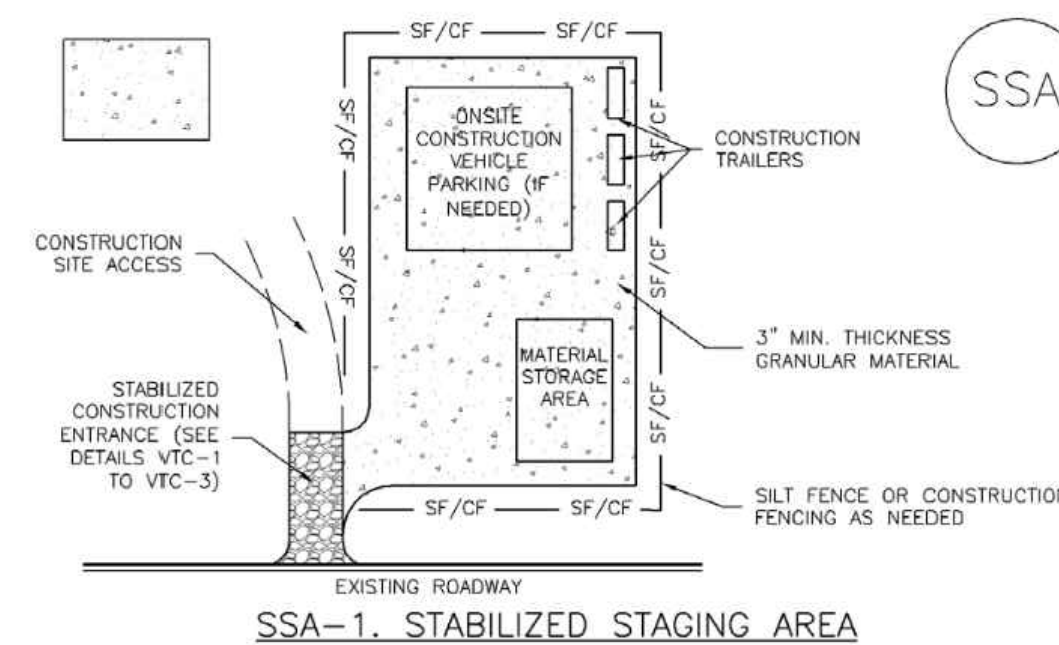


VTC-1. AGGREGATE VEHICLE TRACKING CONTROL

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 VTC-3

Stabilized Staging Area (SSA)

SM-6



SSA-1. STABILIZED STAGING AREA

- Installation notes: See plan view for location of staging area(s). Contractor may adjust location and size of staging area with approval from the local jurisdiction.
Maintenance notes: Inspect BMPs each workday and maintain them in effective operating condition. Frequent observations and maintenance are necessary to maintain BMPs in effective operating condition.

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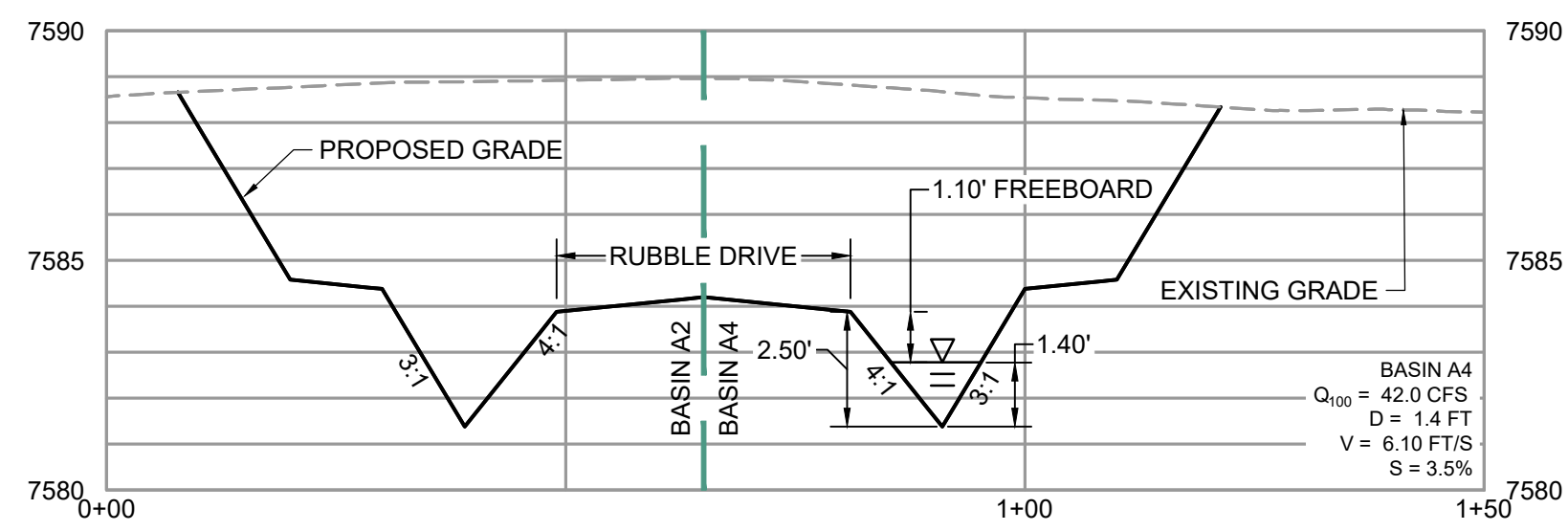
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GRADING & EROSION CONTROL PLAN DETAILS

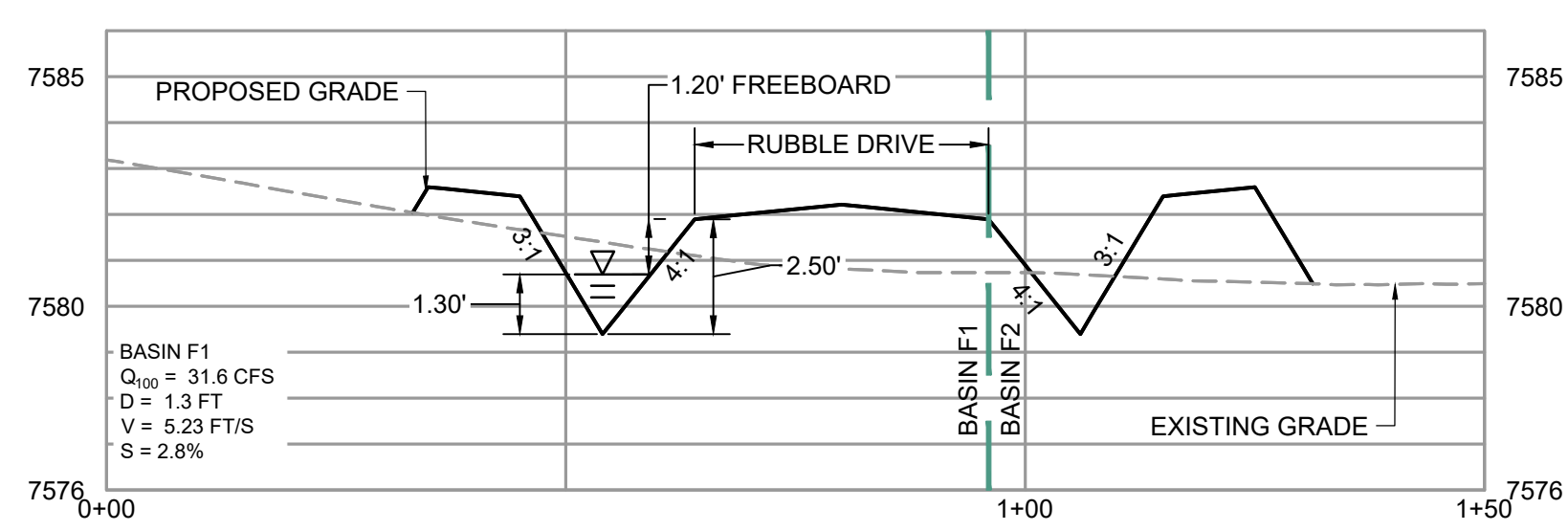
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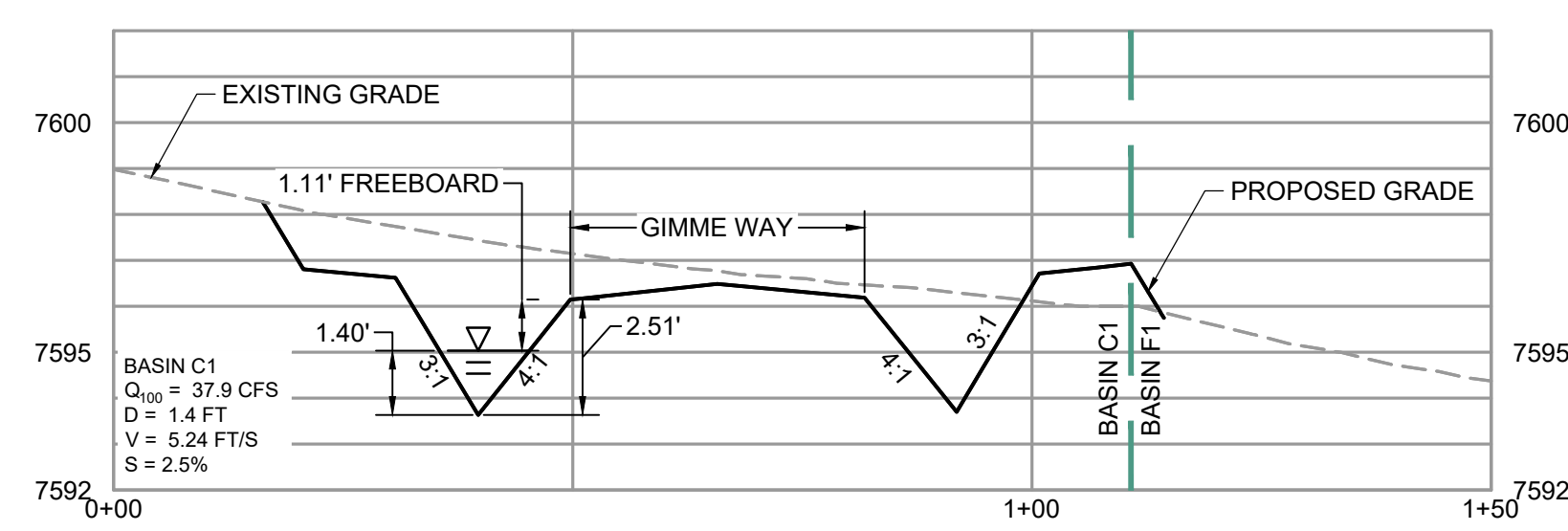
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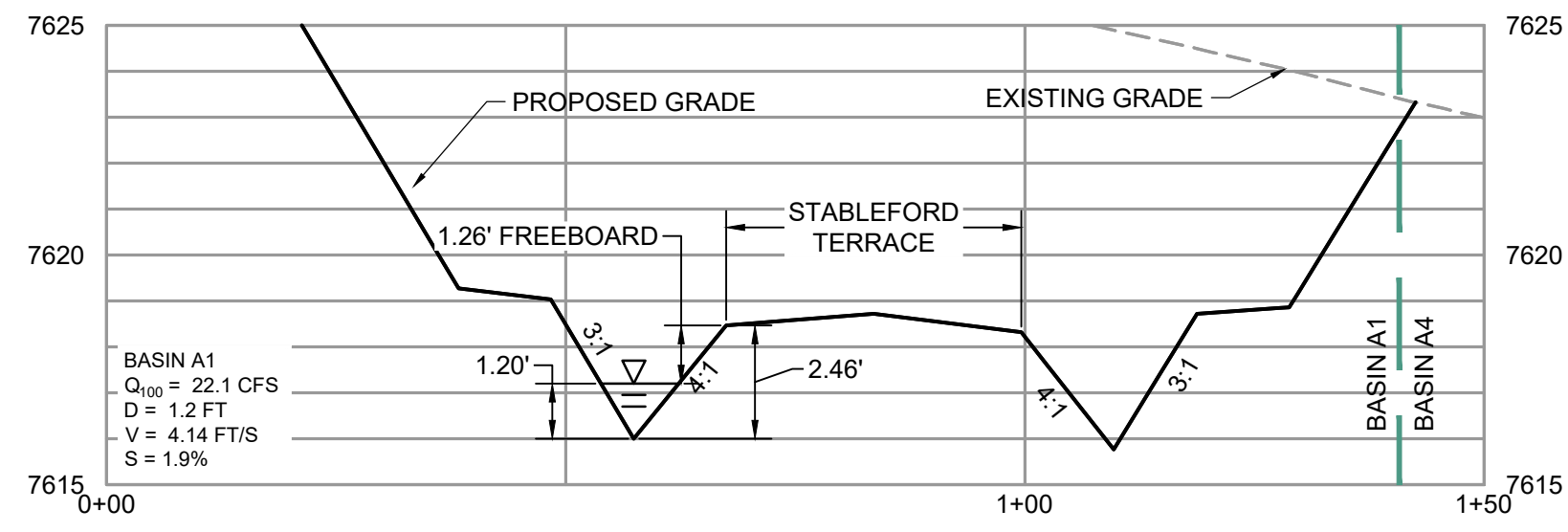
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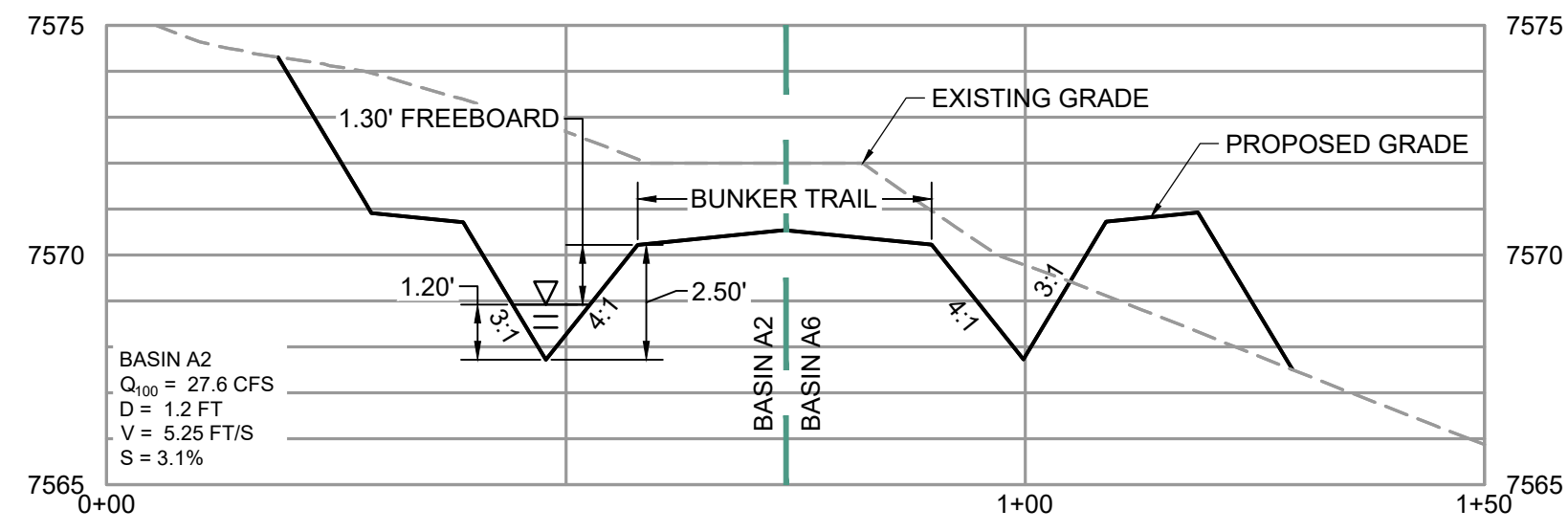
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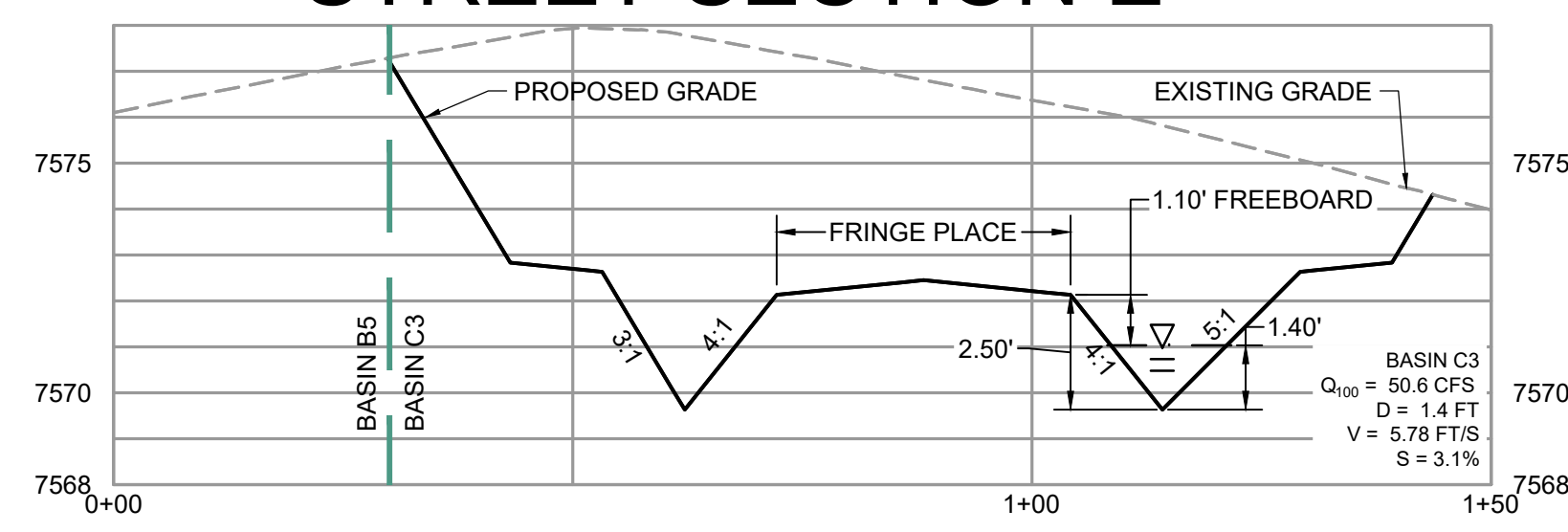
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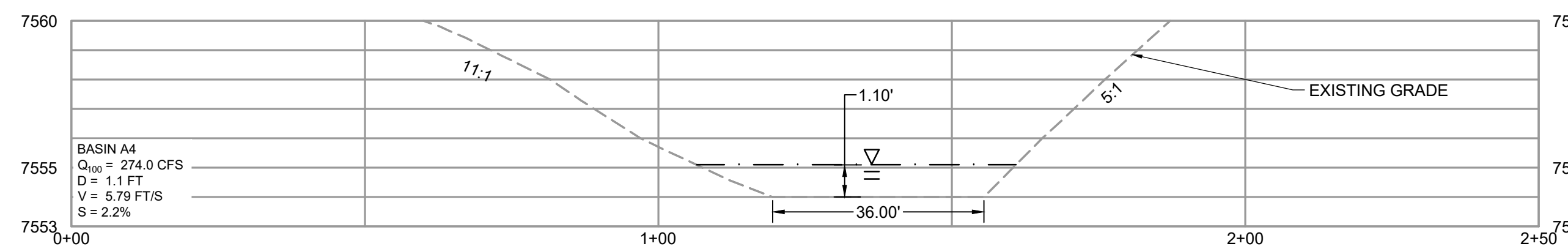
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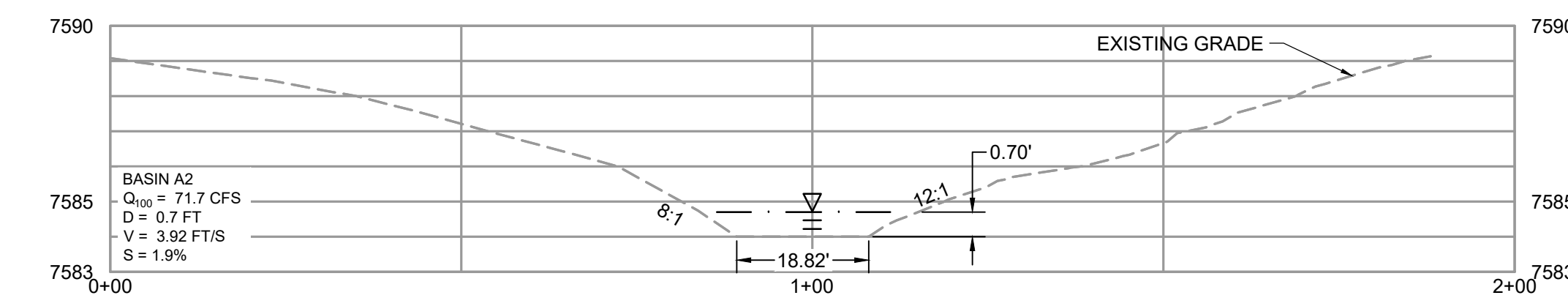
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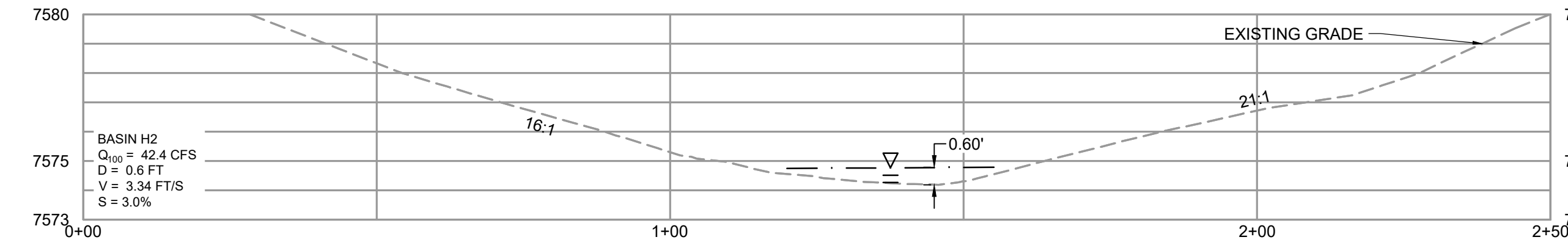
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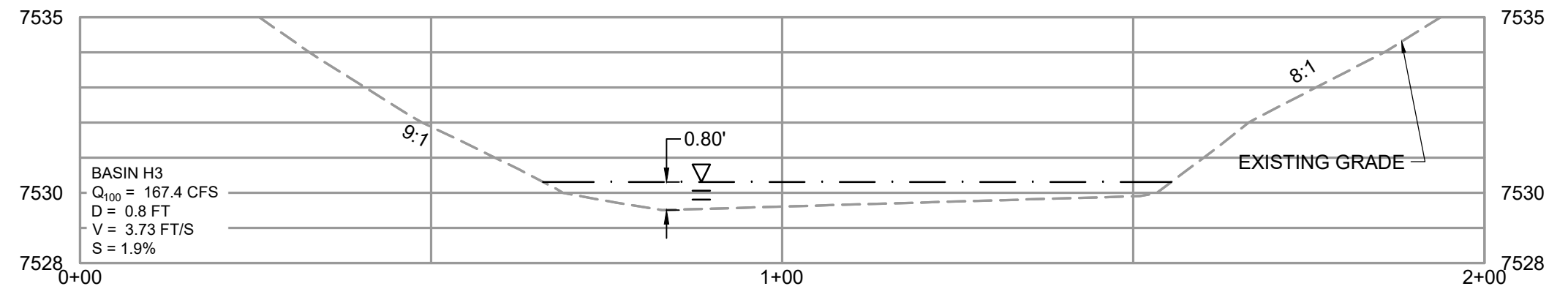
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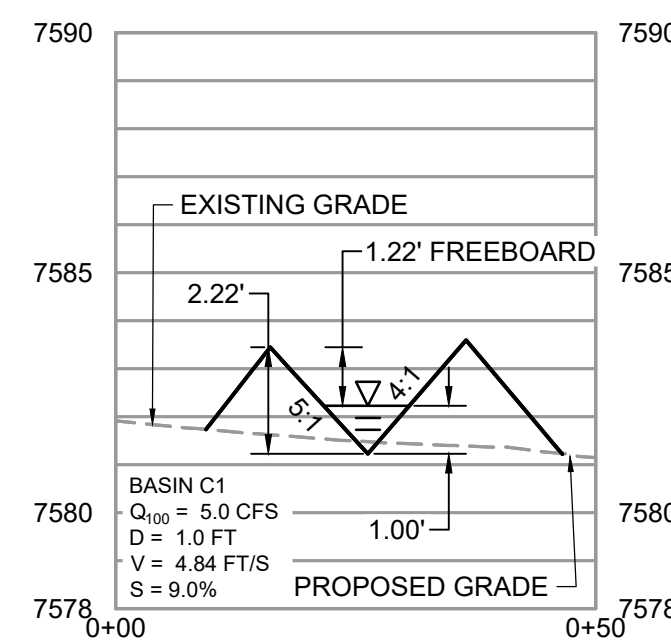
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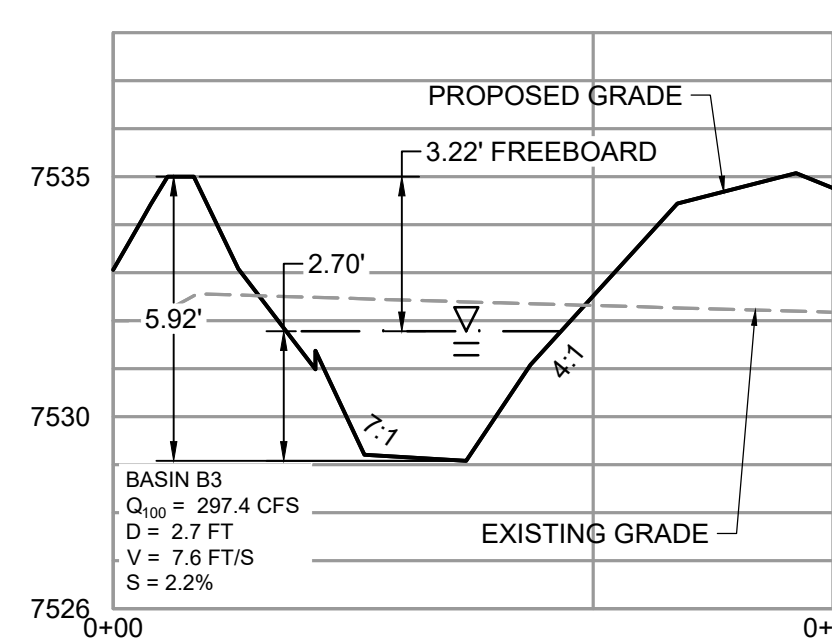
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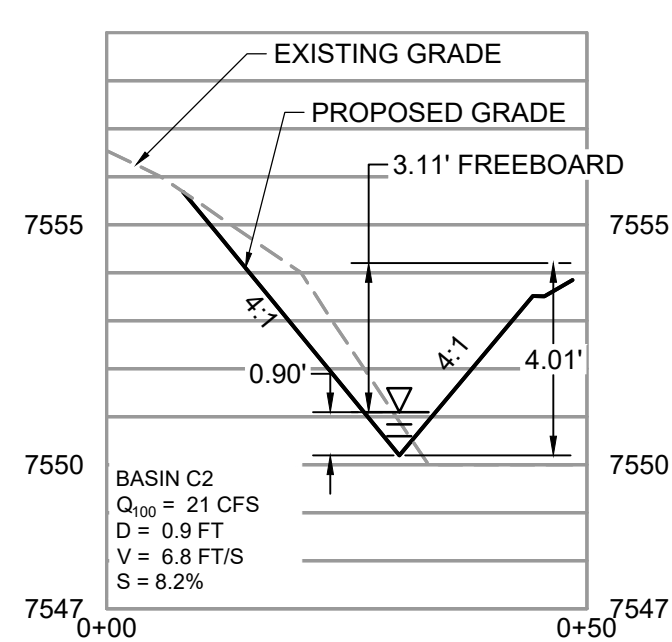
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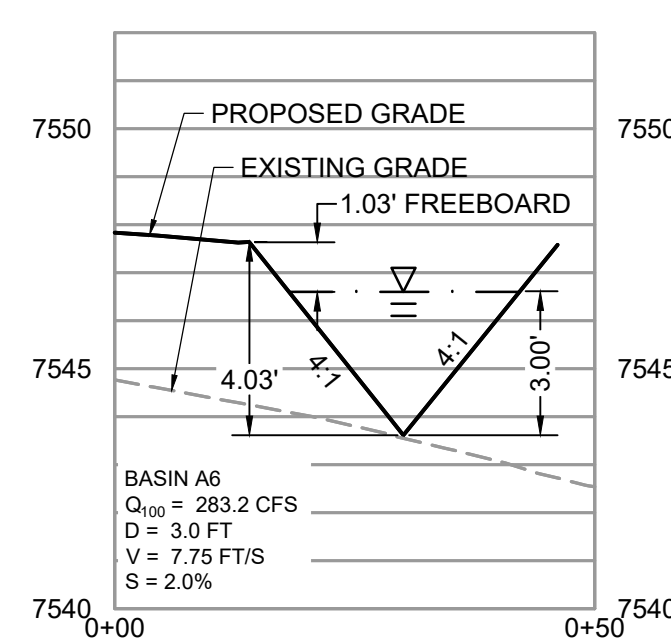
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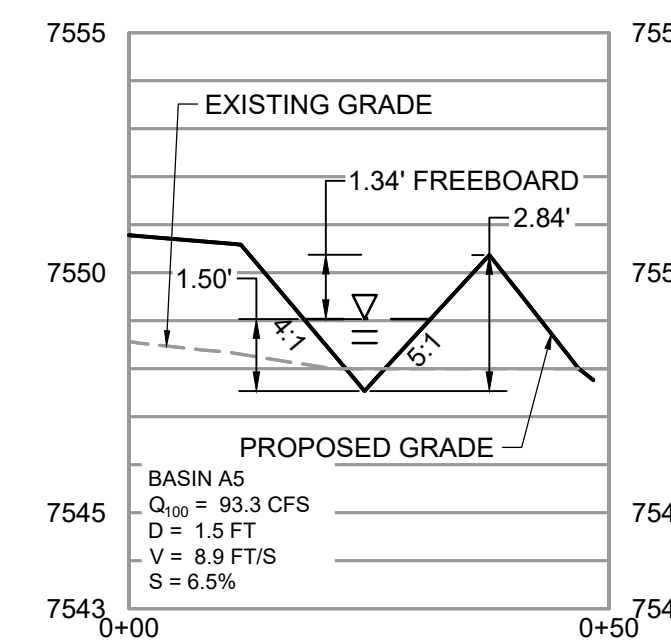
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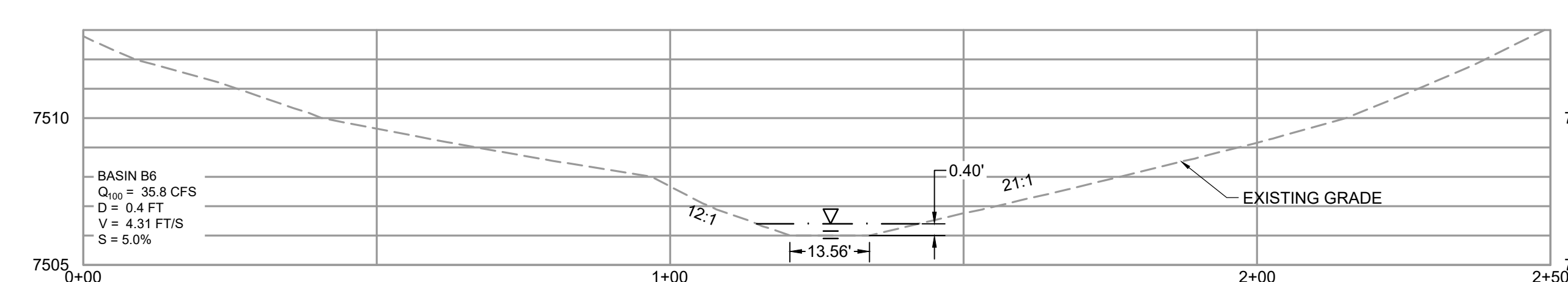
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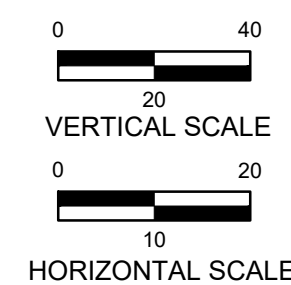
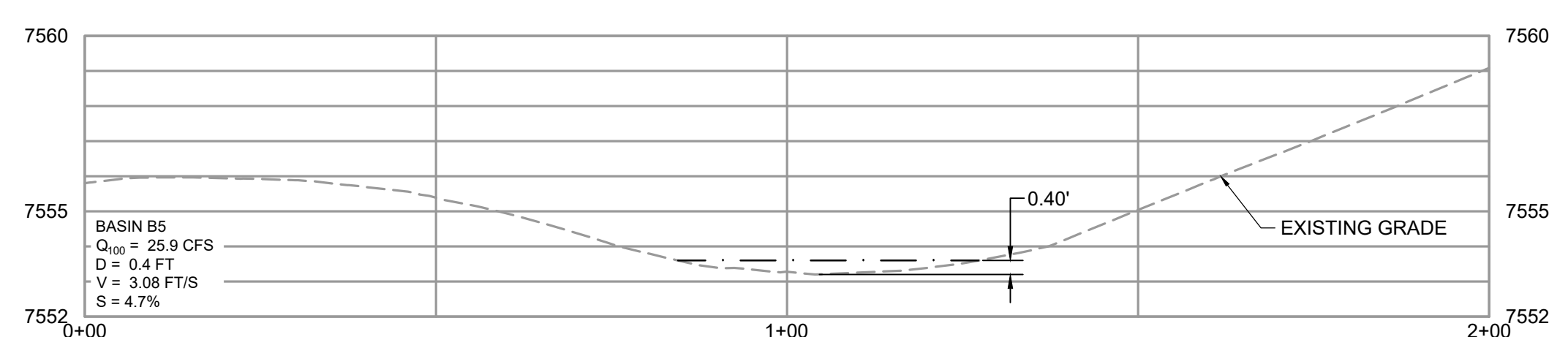
SECTION I-I



SECTION J-J



SECTION K-K



DRAWN BY: TMM JOB DATE: 11/11/2024
 APPROVED: RHL JOB NUMBER: 210742.24
 CAD DATE: 9/5/2024
 CAD FILE: J:\2021\211030\CAD\Drawings\C\Drainage\FDR Filing 4\FHN_FN4_FDR

NO.	DATE	BY	REVISION DESCRIPTION

HRGreen
 HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 160
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FLYING HORSE NORTH FILING 4
 PRI #2, LLC.
 EL PASO COUNTY, CO

GRADING & EROSION CONTROL PLAN
 DEVELOPED CONDITIONS DRAINAGE MAP